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9757

Printer Driver User's Manual

For use with Imagistics and Pitney Bowes DL460/550 copier/printers.

Linux Operating System

Welcome

Thank you for purchasing the controller.

This Operator's Manual explains how to run print cycles on the machine, to which the controller is connected. It also gives precautions that you should review before attempting to actually use the controller. So, first read this manual carefully and thoroughly; then, keep it close at hand so you can refer to it whenever it becomes necessary.

When operating the controller and machine, follow the instructions given in this manual and in the one for the machine. Do not attempt to touch any part that is not covered in these manuals. Never attempt to disassemble or remodel any pieces of equipment, either, to prevent possible hazardous conditions.

Some of the screens shown in this manual may look different from what you will view in actual applications.

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For the U.S.A. Users

FCC Part 15-Radio Frequency Devices

WARNING
This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and radiate radio frequency energy and if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications.
Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

The design and production of this unit conform to FCC regulations, and any changes or modifications must be registered with the FCC and are subject to FCC control. Any changes made by purchaser or user without first contacting the manufacturer will be subject to penalty under FCC regulations.

FCC-F02

This device must be used with shielded interface cables. The use of non-shielded cables is likely to result in interference with radio communications and is prohibited under FCC rules.

For Canada Users

Interference-Causing Equipment Standard (ICES-003 Issue 3)

This Class A digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada.

IC-F03

Only for the area of the European Union

CE Marking (Declaration of Conformity)
This product complies with the following EU directives:
89/336/EEC, 73/23/EEC and 93/68/EEC directives.
This declaration is valid for the area of the European Union.

This device must be used with shielded interface cables. The use of non-shielded cables is likely to result in interference with radio communications and is prohibited under EU directives.

Other countries

WARNING
This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

This device must be used with shielded interface cables. The use of non-shielded cables is likely to result in interference with radio communications and is prohibited under CISPR 22 rules and local rules.

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Naming of Equipment and Functions

Different names are used between the controller and the machine to identify the same piece of equipment or the same function. Note the following.

Equipment Names

Controller	Machine
Tray	Drawer
Dup+2way Tray	2way Paper Feed Cabiet
Dup+LCC	Large Capacity Cabinet
Duplex Cabinet	Duplexing Paper Feed Cabinet
Multi-staple Finisher	Finisher (Multi)
Single-staple Finisher	Finisher (Single)
Folding Finisher	Finisher (Folding)
Hard Disk Drive in Copier	Hard Disk Drive Kit HDD-1
Manual Feed	Intelligent Multi Bypass Tray
LCT	Large Capacity Cassette

Chapter 1

Before Using the Controller

1. Features of the Controller

Features of the Controller

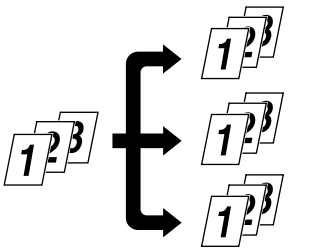
The controller is an image controller designed to use the machine as a printer, allowing you to print documents directly to the machine from a computer to which the controller is connected. The printer driver, which is used during printing, is equipped with various functions that make the most out of the features of the machine. They enable you to use the same functions as those offered by the machine. When actually running a print cycle, you can specify various functions of the machine on your computer screen.

NOTES

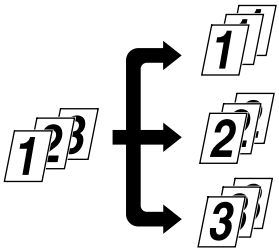
- *When using the controller, be sure to set the machine on the On Line state.* ☞*p.1-8*
- *Some functions offered by the machine cannot be combined, such as Staple and Hole-Punch, and others many not be used because of a paper size involved. The functions that cannot be selected appear dimmed. Further, if functions that are incompatible with each other are specified, the Conflicts dialog box appears, prompting you to change the settings. When this dialog box appears, check the details and reselect the functions to ensure function compatibility.*
- *Some settings, which are defied by the machine for the restricted combinations of different functions, can at times be accepted by the printer driver. If a print command is issued from the personal computer with such settings made, the machine does not produce the output correctly or abandons the job to produce nothing. Make sure that you make correct settings.*

Various Printing Functions

- Makes prints that are sorted into complete sets of the originals or grouped into uncollated groups, each containing prints of one original. ☞p.3-17



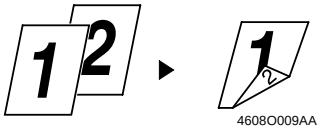
4608O006AA



4608O007AA

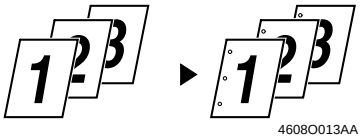
- Prints two pages of originals on both front and back sides of a single sheet of paper. ☞p.3-10

Long Edge Binding

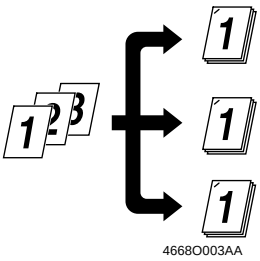


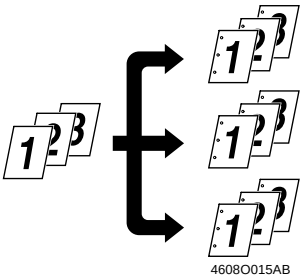
Short Edge Binding

- Makes prints of complete sets of the originals, stapled together or punched for filing. ☞p.3-9

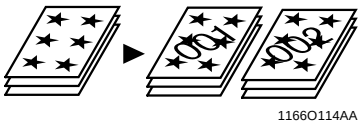


By combining Collate with other finishing capabilities, you can make complete sets of documents for immediate delivery without having to do any further processing.

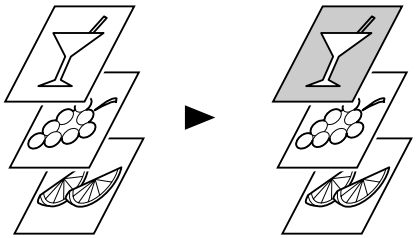




- Adds a reference number (Distribution Number) to each document set during printing. ☞p.3-20



• Prints only the cover on a different type of paper (such as colored paper). ☞p.3-8



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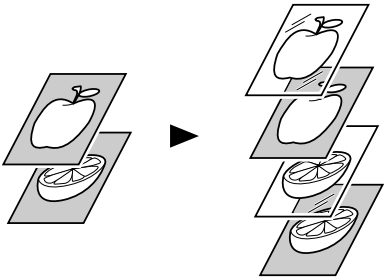
• Capable of printing on OHP transparencies. You can also insert interleaves, either blank or printed with the same contents as those on the OHP transparencies. ☞p.3-8



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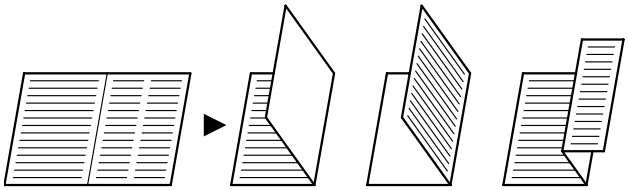
• Folds copies during finishing. ☞p.3-9



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Administrative Functions

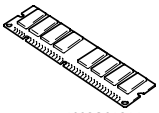
- Different accounts can be managed for printing records, just as when using the machine as a copier.
  Setting whether 100-account management or 1000-account management is to be done from the machine.
- Printing of confidential documents may be withheld until a legitimate password is entered on the machine.

2. Configuration

Configuration

The controller may be configured with the following options.

Memory (64MB/128MB, Option)
Expands the memory capacity of controller.



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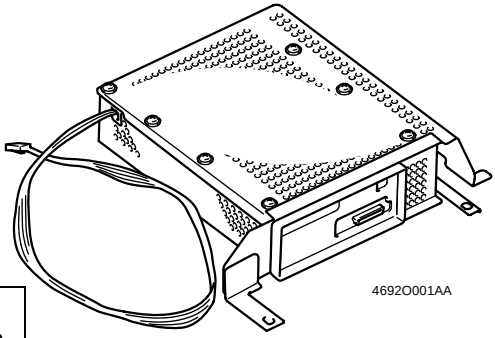

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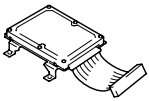
Controller
Allows you to use the machine as a printer controlled by your personal computer.



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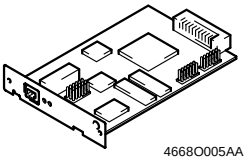
Hard Disk Drive (Option)
For downloading PS fonts.

10/100BaseT



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NIC Board (Option)
Allows you to use the machine as a printer in a network environment.

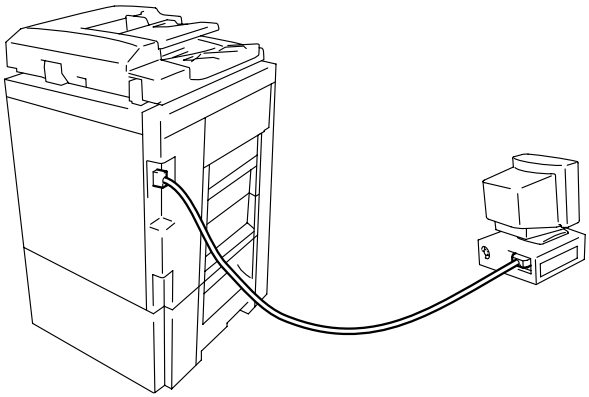
NOTE
The NIC Board must be mounted to use the scanner functions.

3. Connecting the Controller

Connecting the Controller

The controller is installed inside the machine. The installation procedures are to be performed by the service personnel.

The controller is connected to the computer with a printer cable or network cable. Power to the controller is supplied from the machine.



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TIP

If you cannot print from your computer, make sure that the printer cable or network cable is connected to the corresponding connectors.

4. Settings Made on the Machine

The following functions must be set on the machine using its Utility Mode, as they relate to the controller.

Priority Device

Select the priority of use of the machine, either as a copier or printer.

Copier: The machine is used as a copier.

The machine starts the print cycle only after it has received the entire data of a particular print job.

The machine can be used for copying, since it starts printing only after it has received the entire data of the job for printing. This means that more time is available to you for copying, but you have to wait for a longer time before a particular print job is done.

Printer: The machine is used as a printer.

The machine starts the print cycle before it completes receiving the entire data of a particular print job.

On receiving the data for one page, the machine starts printing, accepting no other job for copying. This means that less time is available to you for copying, but you do not have to wait long before a particular print job is done.

On Line/Ready

On Line key

This function is the same as that available in ordinary printers as On Line/ Off Line.

Select On Line normally.

A lit lamp indicates that the machine is in the On Line mode.

Ready Lamp

Data can be transferred while this lamp stays lit up.

The lamp remains blinking while data is being transferred.

5. Installing the Printer Drivers

Installing Various Printer Drivers

To make 100% use of the functions offered by the machine mounted with the controller, install the attached printer drivers in your computer. The controller is furnished with the following printer drivers.

- PCL6 printer driver for Windows 95
- PCL6 printer driver for Windows 98/2000
- PCL6 printer drive for Windows NT4.0
- PS printer driver for Windows 95/98
- PS printer driver for Windows 2000
- PS printer driver for Windows NT4.0
- PPD file for Macintosh
- PS print utility for Linux
  (Redhat, SuSE, Turbo, Open)

Install the printer driver suitable for the operating system that runs on your computer. For the installation procedures, see the relevant page as detailed below.

Installing PS print utility for Linux: p.2-2

Installing the Macintosh PPD file:
See the Operator's Manual for Macintosh.

Installing the Windows printer driver:
See the Operator's Manual for Windows.

5. Installing the Printer Drivers

Chapter 2

Installing the Printer Driver

1. Installation

Operating Environment

This section explains the required environment for the printer driver.
Before installing the printer driver, make sure that your computer meets the following requirements. If it does not, the printer driver may not function properly.

Personal computer		IBM PC or a compatible with a Pentium 200MHz or higher CPU
Operating system		Redhat Linux ver.6.1, 6.2 Turbo Linux ver.4.0, 6.0 Open Linux ver. 2.3, 2.4 SuSE Linux ver. 6.3, 6.4
Memory		64MB or more
I/O interface	Parallel	Centronics interface (Conforming to IEEE1284)
	Network	10/100 Base-T (UTP)
Free space on hard disk		2MB or more under /opt

In this section, installation procedure is explained, referring to Redhat Linux. If a different procedure is used (depending on each OS), explanation is separately given for that section.

Installation

This section explains the installation procedure.
XWindow System is described here.

NOTE
Before installing the printer driver, quit all other applications.

---

1. Log in with root when starting OS.

2. Start Terminal window.

3. Install the controller Driver CD-ROM provided with controller in the CD-ROM drive of your personal computer.

4. Copy RPM file to optional directory. The file has been stored in "/Linux/PrintUtility" of the CD-ROM.

5. Input the following command to Terminal window and execute:
   # rpm –ivh diutil_pack_file

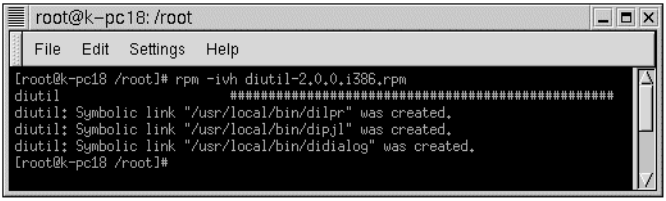
NOTE
Input file name to "diutil_pack_file".

---

6. Installation will start when the above command has been executed.

NOTE
The installation procedure shown above cannot be used for the following Operating Systems. Use the installation procedure given on the next page:
• Open Linux ver. 2.4
• SuSE Linux ver. 6.4

After installation is complete, the screen shown below will appear.


root@k-pc18: /root
File Edit Settings Help
[root@k-pc18 /root]# rpm -ivh diutil-2.0.0.i386.rpm
diutil ##
diutil: Symbolic link "/usr/local/bin/dilpr" was created.
diutil: Symbolic link "/usr/local/bin/dipjl" was created.
diutil: Symbolic link "/usr/local/bin/didialog" was created.
[root@k-pc18 /root]#

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If an error is output during installation, execute the following commands in sequence:

rpm -ivh diutil_pack_file --nodeps
ln -s /usr/lib/libtcl8.0.so /usr/lib/libtcl.so
ln -s /usr/lib/libtk8.0.so /usr/X11R6/lib/libtk.so
ldconfig -n /usr/lib/
ldconfig -n /usr/X11R6/lib/

NOTE
Input file name to "diutil_pack_file".

By executing the above commands in sequence, installation can be performed correctly.

2. Printer setting with Xwindow System

Making General Settings Before Using the Printer

The printer driver requires setting of items that are common to all print jobs, including the port to which the printer cable is connected and any optional devices configured with the machine: Note that these settings must be made only after the printer driver has been installed.

See Chapter 3 if you refer to “Device Options Setting” in dialog box.

Redhat Linux

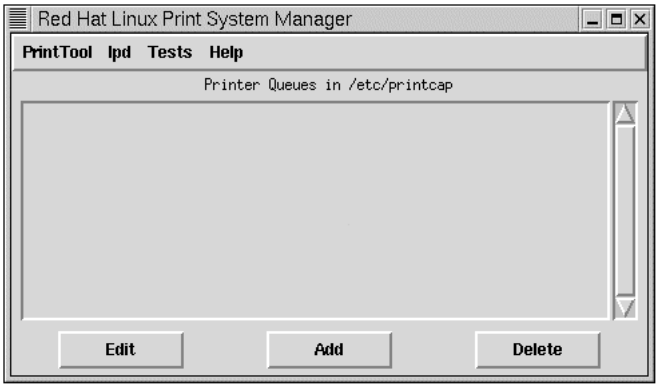
With Redhat Linux, setting is performed from “Printer Configuration” in the control panel. The following shows how to display “Printer Configuration”:

TIP
With Redhat Linux, “Printer Configuration” window can also be displayed by executing “printtool” command from Terminal window.

1. Click menu button and open [System] – [Control Panel].

2. When control panel is opened, click [Printer Configuration] button.

   Printer system manager will open.



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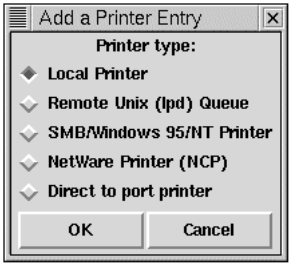
3. First, click [Add] button of the printer manager.

4. When the personal computer has been directly connected to the machine, select "Local Printer."



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NOTES

- *If you install a printer driver to the computer which has been connected via network, be sure to consult the network administrator.*
- *To the network administrator: When the setting of the driver is to be selected via network with Remote Printer, Remote Unix (1pd) Queue, etc., printer queue, printer name, IP address, etc. are necessary. Input "PORT1" for printer queue.*

5. The printer device will be detected. Click [OK] button.

Info
Auto-detection found the following:
/dev/lp0 : Detected
/dev/lp1 : Not detected
/dev/lp2 : Not detected
You may disregard this message
if you are setting up a serial printer.
This auto-detection may not always work
on Sparc and Alpha architectures.
If no devices were detected, this could
indicate a hardware problem that justifies
further investigation.
Ok

4668P161CA

If not detected, check to see if the port is already in use.

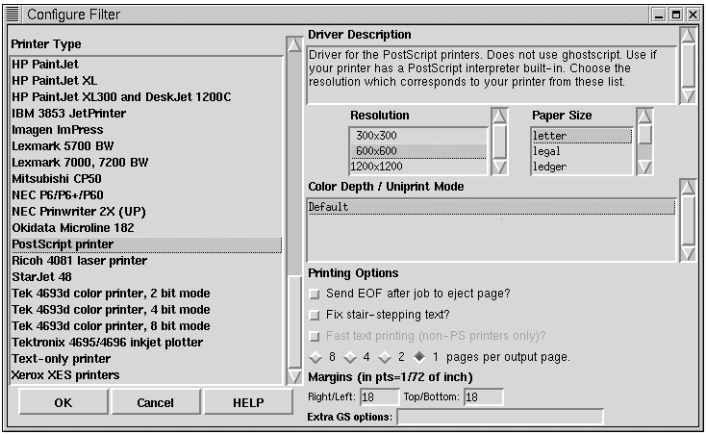
NOTE

When network connection has been selected, detection result dialog box will not be output.

6. Edit screen will open. First, set optional printer name.

7. Specify the SPOOL directory to be prepared: It is acceptable to leave default value as it is.

8. Click [Select] button of input filter, and select “PostScript Printer” here. No other settings are required.



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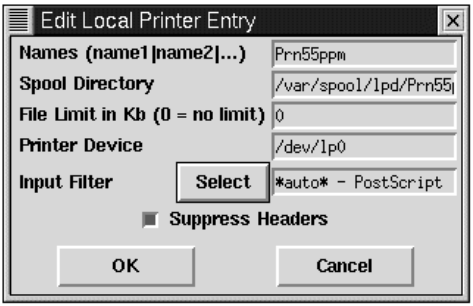
9. Click [OK] button.

10. Click [OK] button in edit window of the printer to complete setting.



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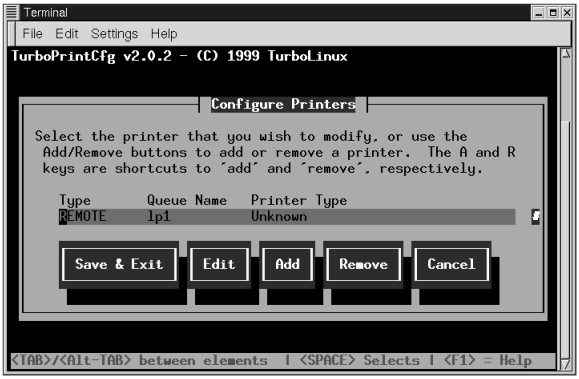
Turbo Linux

With Turbo Linux, execute command from Terminal window for setting printer. The following shows the display method of the setting screen:

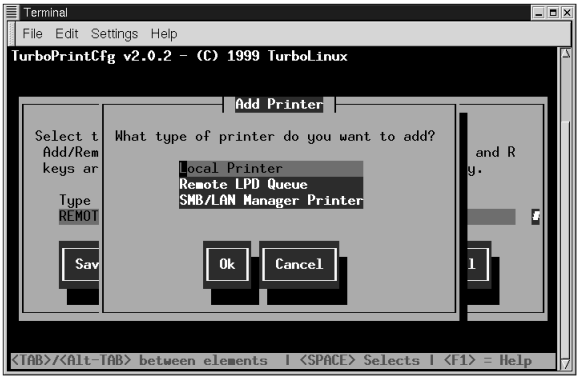
1. First, execute “turboprintcfg” command from Terminal window: Terminal window will change to printer setting screen.

2. Select [Add] button.


Terminal
File Edit Settings Help
TurboPrintCfg v2.0.2 - (C) 1999 TurboLinux
Configure Printers
Select the printer that you wish to modify. or use the
Add/Remove buttons to add or remove a printer. The A and R
keys are shortcuts to 'add' and 'remove', respectively.
Type Queue Name Printer Type
REMOTE lp1 Unknown
Save & Exit
Edit
Add
Remove
Cancel
<TAB>/<Alt-TAB> between elements | <SPACE> Selects | <F1> = Help

4668P174CA

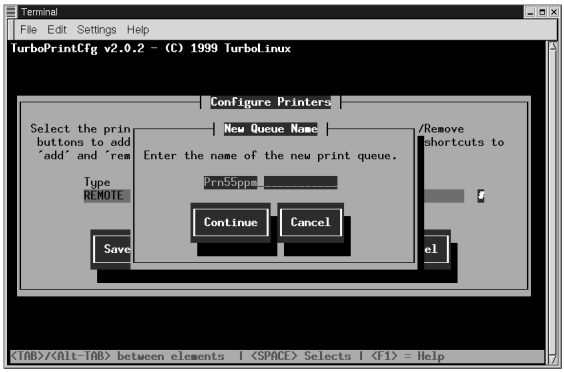
3. Select “Local Printer” for printer type.



4668P175CA

NOTE
When network printer is to be used, select “Remote LPD Queue.”

4. Specify optional name for printer queue.



4692P096CA

5. Make sure that positions where SPOOL directory is to be prepared and printer device are specified. After checking is complete, select [OK] button.

Terminal
File Edit Settings Help
TurboPrintCfg v2.0.2 - (C) 1999 TurboLinux
Edit Printer Settings
Enter the required information in the spaces below. Press F1 for help.
Queue Name : Prn55ppm
Spool Directory : /var/spool/lpd/Prn55ppm
File Limit in KB : 0
Printer Device : /dev/lp0
<Configure...>
[*] Suppress Headers
Ok
Cancel
<TAB>/<Alt-TAB> between elements | <SPACE> Selects | <F1> = Help

4692P097CA

NOTES

- *When setting is performed using network printer, LPD setting (Remote Hostname, Remote Queue) should be made in addition to above setting. Input "PORT1" for Remote Queue.*
- *With Turbo Linux4.0, some other setting should be made on Edit Printer Setting screen. For setting of printer type, select "Postscript Printer". Other settings can be left as default settings.*

6. Select [Save & Exit] button to complete setting.

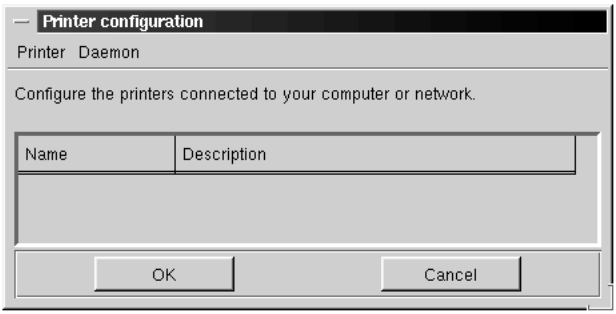
Terminal
File Edit Settings Help
TurboPrintCfg v2.0.2 - (C) 1999 TurboLinux
Configure Printers
Select the printer that you wish to modify, or use the Add/Remove buttons to add or remove a printer. The A and R keys are shortcuts to 'add' and 'remove', respectively.
Type Queue Name Printer Type
REMOTE lp1 Unknown
LOCAL Prn55pp Unknown
Save & Exit
Edit
Add
Remove
Cancel
<TAB>/<Alt-TAB> between elements | <SPACE> Selects | <F1> = Help

4692P098CA

Open Linux

With Open Linux, printer setting can be performed using dialog box. The setting method using dialog box is given here.

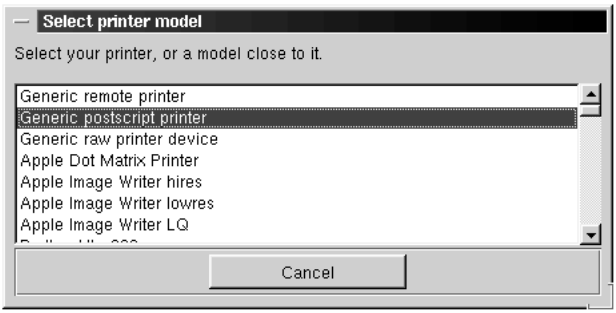
1. Open KDE menu. Select [COAS] – [Peripherals] – [Printer].
   The dialog box shown below will appear.



4668P179CA

2. Select [Add] from [Printer] at the left top on the dialog box.

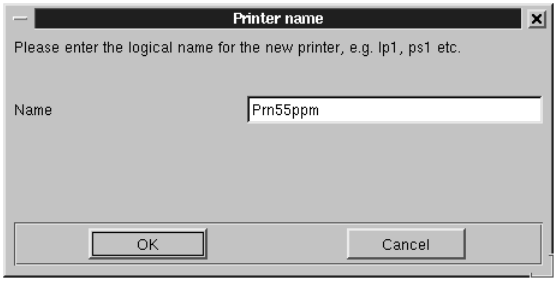
3. "Select printer model" dialog box will appear. Select "Generic postscript printer."



4668P180CA

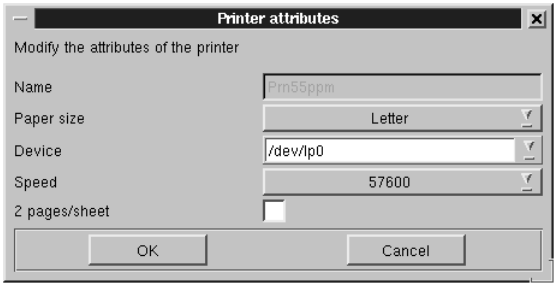
NOTE
Whenever network printer is to be used, select "Generic remote printer." At this time, input "PORT1" for Remote Queue.

4. “Printer name” dialog box will appear: Input optional name and click [OK] button.



4692P099CA

5. “Printer attributes” dialog box will appear: Make certain that correct device is displayed here, but do not change any other items.

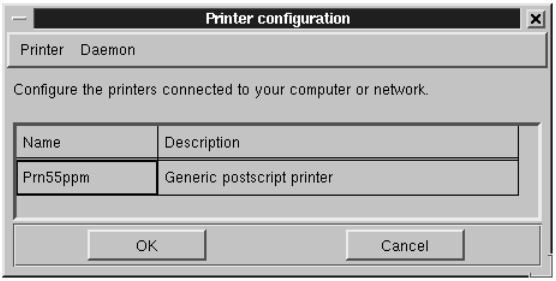


4692P100CA

6. Select [OK] button.

7. System will ask you whether to save changes, to create printer queue, etc.: Select [OK] button.

8. Return to Printer Configuration dialog box. Once the added printer is displayed, select [OK] button to complete.



4692P101CB

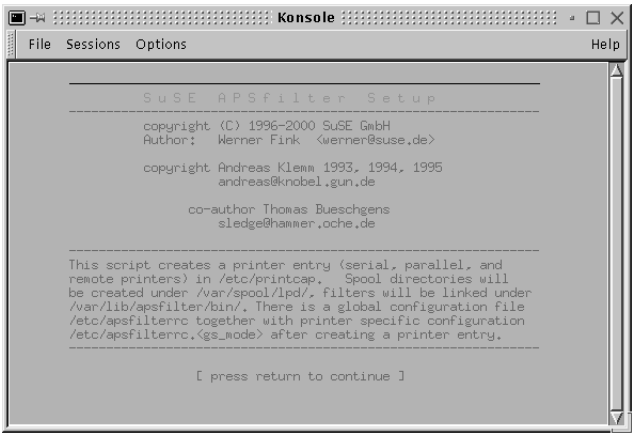
SuSE Linux

With SuSE Linux, command should be executed from Terminal window to set printer.

1. Execute command shown below from Terminal window with current directory:

   # /var/lib/apsfilter/SETUP

Terminal window will change as shown below after execution of command.


Konsole
File Sessions Options Help
SuSE APSfilter Setup
copyright (C) 1996-2000 SuSE GmbH
Author: Werner Fink <werner@suse.de>
copyright Andreas Klemm 1993, 1994, 1995
andreas@knobel.gun.de
co-author Thomas Bueschgens
sledge@hammer.oche.de
This script creates a printer entry (serial, parallel, and
remote printers) in /etc/printcap. Spool directories will
be created under /var/spool/lpd/, filters will be linked under
/var/lib/apsfilter/bin/. There is a global configuration file
/etc/apsfilterrc together with printer specific configuration
/etc/apsfilterrc.<gs_mode> after creating a printer entry.
[press return to continue]

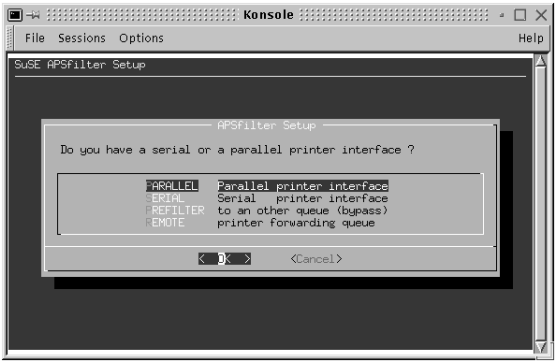
4668P199CA

2. Screen will change as shown below by pressing the return key. Select [Entry] – [Device].

Konsole
File Sessions Options
Help
SuSE APSfilter Setup
APSfilter Setup
For which printer type do you want to setup apsfilter...
EXIT Exit apsfilter setup
LISTING List all apsfilter entries
ENTRY Add/Overwrite/Delete an apsfilter entry
DELETE Fast delete an apsfilter entry
<OK>
<Cancel>

4668P200CA

3. Printer interface setting screen will appear. Select [Parallel].

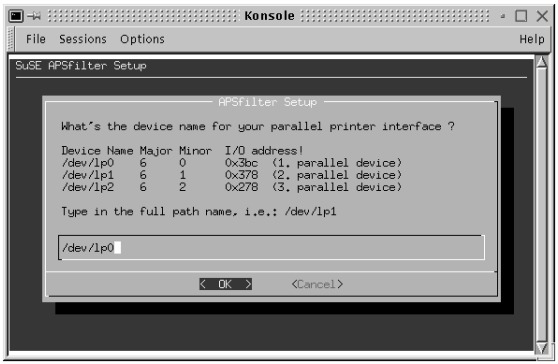


4668P201CA

NOTE

When network is used, select [Remote] instead of [Parallel]. Then, set HostName and printer queue. Input "PORT1" for printer queue.

4. Make sure that Interface is set to parallel port.


Konsole
File Sessions Options
Help
SuSE APSfilter Setup
APSfilter Setup
What's the device name for your parallel printer interface ?
Device Name Major Minor I/O address!
/dev/lp0 6 0 0x3bc (1. parallel device)
/dev/lp1 6 1 0x378 (2. parallel device)
/dev/lp2 6 2 0x278 (3. parallel device)
Type in the full path name, i.e.: /dev/lp1
/dev/lp0
< OK >
<Cancel>

4668P202CA

5. Screen for specifying each setting will appear. Select [Postscript] for printer type.

Konsole
File Sessions Options
Help
SuSE APSfilter Setup
APSfilter Setup
For which printer type do you want to setup apsfilter...
BACK Back to main menu
POSTSCRIPT For a real PostScript printer
HEWLETT-PACKARD For a HP deskjet printer
OTHER Another non-PostScript printer
FREEDEF Free definition of driver name
< OK >
<Cancel>

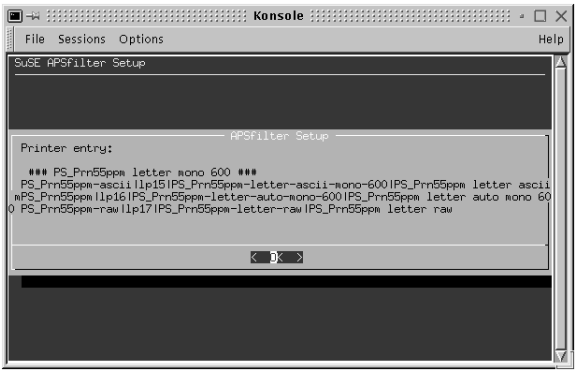
4668P203CA

Screen will change to resolution setting screen, but it is not necessary to change from default value.

6. Specify printer name, paper and color.

4668P204CA

7. Select [Add] button for complete. Confirmation screen will appear.



4692P102CA

How to display Printer Utility dialog box

If you use Xwindow, printer utility setting can be specified from dialog box. Dialog box can be displayed only with command operation, so “didialog” command is used here.

Input the following command on the Terminal window and execute: The dialog box will appear.

/opt/diutil/bin/didialog –m [Model name] –P [Printer name] –a [Area]

- Specify the printer name which was designated during setting.
- Input model name for [Model name].

Model names which can be specified are described on “didialog.1” file in “/opt/diutil/man/man1”.
For details, see Page 2-21.

- Specify “Area”; select “us” for Inch area, “ec” for Metric area.

Refer to Chapter 3 for setting method concerning the printing.

TIP
Specifying “Model name” and “Area” is necessary only when didialog command is executed first.

3. Use of commands

dipjl command

"dipjl" command is a printer setting command used for environment in which Xwindow cannot be used: Refer to "dipj1.1" file in "/opt/diutil/man/manl" for detailed description. To display "man" file, execute the following command:

man /opt/diutil/man/manl/dipj1.1

NOTE
If you are able to use Xwindow environment, this command is not necessary. Since the settings using this command are only temporary settings for printing, they cannot be saved.

Printing method (dilpr command)

"dilpr" command is used for printing method. Printing of PS file is performed by executing this command. Note that this cannot be printed from application. Refer to "dilpr.1" file in "/opt/diutil/man/manl" for detailed description. To display "man" file, execute the following command.

man /opt/diutil/man/manl/dilpr.1

Example option of dilpr command

-P printer name : Specifies printer name
-y set option : Used when a particular part of set option is to be changed.
-J Job name : Set when a name other than file name is to be set as a job name.

Example of printing method
/opt/diutil/bin/dilpr –P [Printer name] [File name]

NOTE
With this command, only PS file can be printed. Non-PS files must be converted to PS for printing.
"groff" command, etc. can be used to convert to PS file.

---

didialog command

"didialog" command is used to display dialog box for setting printer utility. Refer to "didialog" file in "/opt/diutil/man/manl" for detailed description. To display "man" file, execute the following command:

man /opt/diutil/man/manl/didialog.1

Example of dialog box display method
/opt/diutil/bin/didialog –m [Model name] -P [Printer name] -a [Area]

TIP
Specifying "Model name" and "Area" is necessary only when didialog command is executed first.

Chapter 3

Property Sheets

1. Property Sheets

Description of Each Property Sheet

Each property sheet enables you to change the settings indicated below. For a detailed description of each function, see the corresponding reference page.

Property sheet	Outline of settings that can be changed	Reference page
[Setup]	Allows you to set the paper take-up tray and paper exit tray. Also allows you to set high level printing functions such as two-sided printing, OHP interleaving, Cover Mode, Staple, Punch, and Folding.	p.3-8
[Paper]	Allows you to set basic printing items such as number of copies, paper size and print orientation. Also allows you to set functions related to sorting.	p.3-16
[Device Options Setting]	Allows you to set option equipment installed on the machine.	p.3-3
[Job Management]	Sets the copy track function. Allows you to lock a printing job. Also allows you to print the distribution number.	p.3-19
–	Allows you to save and read the contents of the settings on a “Setup”, “Paper”, “Job Management” or “Device Options Setting” property sheet.	p.3-6

NOTES

• Refer to Chapter 2 for the procedure for displaying “dialog box.”

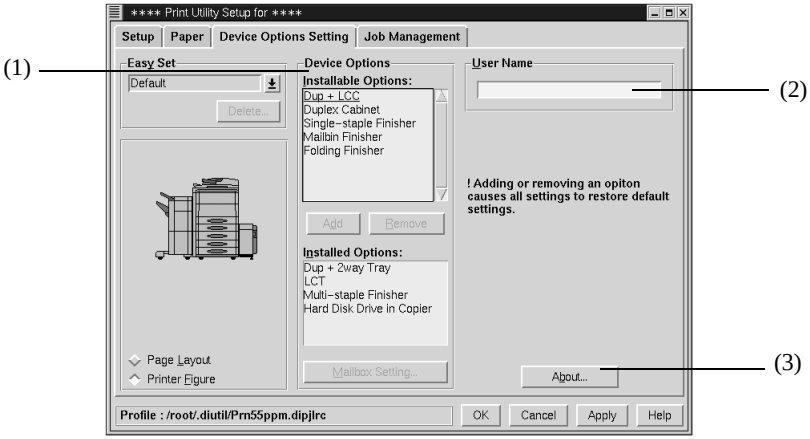
• Differences between each OS are indicated based on Redhat Linux ver. 6.2.

• Details of OS-dependent functions are not given.

2. “Device Options Setting” Property Sheet

Functions of the “Device Options Setting” Property Sheet

This property sheet allows you to set the options installed on the machine. Be sure to select the options correctly otherwise some functions may be unusable or printing may not take place correctly. The settings must match the machine configuration.



4692P181CA

(1) Device Options
Set the options installed in the machine.

- Installable Options : This is a list of installable options. Select the desired options from this list.
  Available settings: Duplex Cabinet, Dup + 2way Tray, LCT, Dup + LCC, Mailbin Finisher, Multi-staple Finisher, Single-staple Finisher, Folding Finisher, Hard Disk Drive in Copier
- Add : Pressing this button adds the selected option.
- Remove : Pressing this button removes the selected option.
- Installed Options : This is a list of currently installed options. Select it when you wish to remove an option.
- Mailbox Setting : <when Mailbin Finisher is installed>
  You can add a name to each mailbin of Mailbin Finisher.
  For details, see Page 3-5.

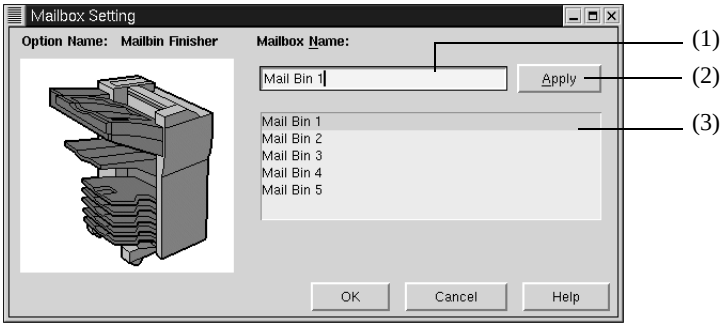
NOTE
If the Dup + 2way Tray, Dup + LCC, and Duplex Cabinet are not correctly selected, it may not be possible to select the Finisher correctly.

(2) User Name
The user name set in the printer driver is displayed as the job user name on the machine’s touch panel.
Setting range: 8 characters max

(3) About…
Click to display the manufacturer and version number of the printer driver.

“Mailbox Setting” Dialog Box <when Mailbin Finisher is installed>

Allows you to set the names of the mailbins in Mailbin Finisher.



4668P165CA

(1) MailBox
This is the bin name editing box.
Setting range: max 32 characters

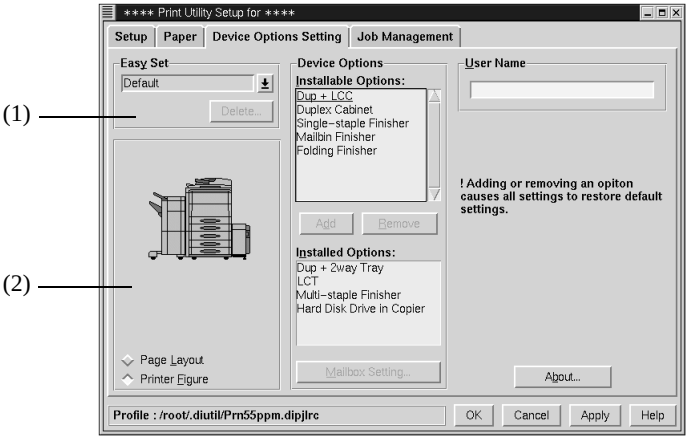
(2) Apply
Press to finalize a changed name.

(3) Bin list
Displays a list of names of currently set bins.
To change the name of a bin, select the name to be changed.

3. Functions that are Common to Various Property Sheets

Functions that are Common to Various Property Sheets

These functions are common to property sheets from “Setup” property sheet to “Job Management” property sheet.



4692P181CA

(1) Easy Set

Allows you to call and use the settings stored in each property sheet.

- Easy Set Name : Allows you to call the settings stored in each property sheet.
- Save (Delete) : Used to save/delete the settings of property sheets.When you touch the [Save] button to save the contents of a property sheet, the “Save Easy Set Name” dialog box appears. For details, see Page 3-7.
  When you touch [Delete], the stored set contents are deleted.

TIPS

• If the set contents were changed, the [Save] button will appear.

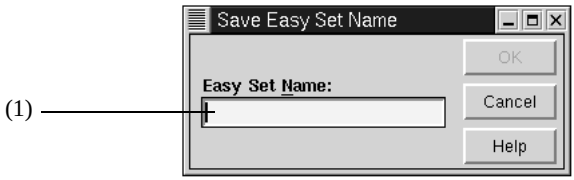
• If the set contents are the Easy Name contents, the [Delete] button will appear.

---

(2) Paper preview/Machine preview
Allows you to display/change over the paper preview and machine preview.
- Page Layout : The layout of the printed data on a single page is displayed as an image. This allows you to check the status for two-sided printing, for example.
See Page A-4 for the Page Layout list.
- Printer Figure : When the paper take-up tray and the paper exit tray are set, the paper take-up tray and paper exit tray are displayed in green.
See Page A-7 for the Printer Figure list.

Functions of the "Save Easy Set Name" Dialog Box

Use to save print setting data.
Before pressing the [Save] button, set the contents of each property sheet.



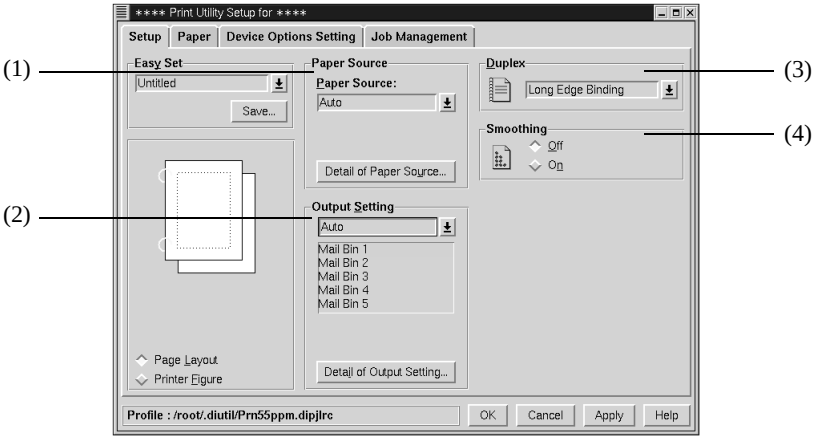
4668P166CA

(1) Easy Set Name
Add a name to the stored contents.
Number of registrations: 32 max
Number of characters: 10 characters max

4. “Setup” Property Sheet

Functions of the “Setup” Property Sheet

This property sheet allows you to set the paper take-up tray, paper exit tray and various high grade printing functions.



4692P182CA

(1) Paper Source

Selects the machine tray to be used.

Sets the cover page function and the OHP interleaving function.

- Paper Source : Select the machine tray to be used.
  The selectable paper sizes are limited by the types of paper take-up trays installed in the machine.
  Available settings: Auto, Manual Feed, Tray1~4, LCC, LCT
- Detail of Paper Source : Set the cover page function and OHP interleaving function. For details, see Page 3-11.

NOTE

Some paper sizes cannot be selected. For details, refer to the Operator’s Manual of the machine.

TIPS

• Set the paper take-up tray using [Device Options Setting].

• The paper take-up tray used is displayed in green on the Printer Figure.

---

(2) Output Setting

This function selects the tray in the machine to which the paper is to be exited. Settings can also be made for finishing functions including stapling, hole punching, and folding.

- Paper exit destination : Select the machine tray to which you wish to exit the prints.
  The selectable paper exit trays are limited by the type of finisher installed in the machine.
  Mailbin Finisher : Auto, Mailbin
  Excepting Mailbin Finisher : Auto
- Mailbin paper exit destination: If Mailbin is selected as the paper exit destination, set the mailbin to which you wish to exit the paper.
- Detail of Output Setting : Set stapling, punching or folding. For details, see Page 3-13.

NOTE

Some paper sizes cannot be selected. For details, refer to the Operator's Manual of the machine.

TIPS

• Set the type of finisher using [Device Options Setting].

• The paper take-up tray used is displayed in green on the Printer Figure.

(3) Duplex <when Dup + 2way Tray, Dup + LCC or Duplex Cabinet is installed>
Specifies two-sided printing.

- Off : Not set
- Short Edge Binding : Two-sided printing takes place in such a way that the short edge is bound.
- Long Edge Binding : Two-sided printing takes place in such a way that the long edge is bound.

NOTES

- *If you print a document that contains pages of different sizes and/or different directions in the same job, the image may be partially cut or images may overlap each other.*
- *Two-sided printing and OHP interleaving cannot be set simultaneously.*

TIPS

- *The sizes for which you can perform two-sided printing are from 140×182mm to 297×432 mm.*
- *Short Edge Binding and Long Edge Binding are displayed on the Page Layout.*

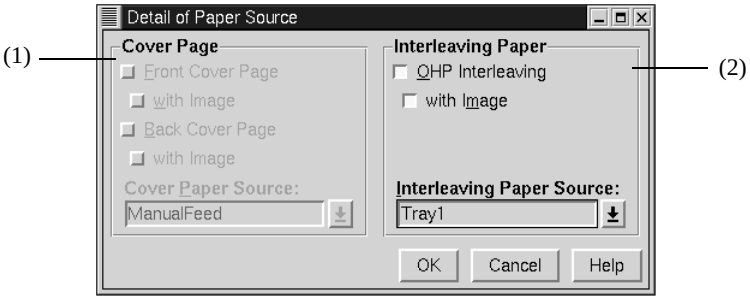
(4) Smoothing
Correct the edges of the printed image.
Available settings: On, Off

NOTE

This function is used with a document whose contents are mainly text. Using the function with a photo image could even dirty the produced image.

Functions of the "Detail of Paper Source" Dialog Box

This function sets the cover page function and the OHP interleaving function.



4692P105CA

(1) Cover Page

This function is used to print a document with front and back cover pages. You can print on the front cover, or leave it blank.

- Front Cover Page : Activates the front cover function.
- with Image (Front Cover Page) : Prints on the front cover.
- Back Cover Page : Adds a back cover.
- with Image (Back Cover Page) : Prints on the back cover.
- Cover Paper Source: Select the tray for the front cover and back cover papers. Available settings: Tray1~Tray4, LCC, LCT, Manual Feed.

NOTES

- *When using special paper such as thick paper, the paper sometimes fails to be exited to the selected paper exit destination.*
- *You can set Tray1~Tray4, LCC, LCT and Manual Feed using "Paper Source".*

TIP

- *The tray containing the paper on which the body of the document is to be printed is displayed in green on the Printer Figure.*

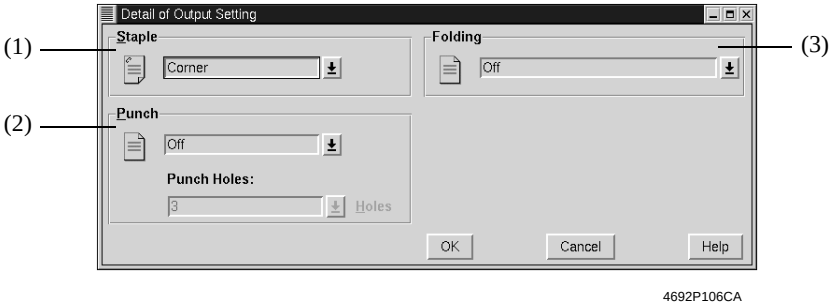
(2) Interleaving Paper
This function inserts sheets (interleaving sheets) between sheets of OHP film when printing on OHP film. You can either leave these sheets blank or print the same image as that printed on the OHP film.
- OHP Interleaving : Activates the OHP interleaving function.
- with Image : Prints an image on the interleaving sheet.
- Interleaving Paper Source: Select the tray for the interleaving paper.
  Available settings: Tray1 ~ Tray4, LCC, LCT

NOTES
- *When using the OHP interleaving function, set the number of sets of prints to "1".*
- *You cannot select the same paper take-up port for both "Paper Source" and "Interleaving Paper Source".*
- *You can set only Manual Feed using "Paper Source".*
- *OHP interleaving and two-sided printing cannot be set simultaneously.*

TIP
The OHP film tray is displayed in green on the Printer Figure.

Functions of the "Detail of Output Setting" Dialog Box

Settings can also be made for finishing functions including stapling, hole punching, and folding.



(1) Staple <when Mailbin Finisher, Single-staple Finisher, Multi-staple Finisher or Folding Finisher is installed>
This function allows you to staple one set of printed documents at a time.
- Off : Printed documents are not stapled.
- Corner : Printed documents are stapled at their corners.
- Long Edge : <when Multi-staple Finisher or Folding Finisher is installed>
  The documents are stapled along the long edge.
- Short edge : <when Multi-staple Finisher or Folding Finisher is installed>
  The documents are stapled along the short edge.
- Center : <when Folding Finisher is installed>
  The documents are stapled at the center.

NOTES
- *If "Staple" is set, printed pages are fed out into the Elevator Tray.*
- *The stapling position is either the top left corner or the top right corner depending upon the direction of the paper and the printing direction.*
- *If the capacity of Mailbin Finisher, Single-staple Finisher, Multi-staple Finisher or Folding Finisher is exceeded, the stapling operation may be canceled. Refer to the Operator's Manual of the machine.*

- *If you print a document consisting of pages of different sizes in the same printing job, stapling may be canceled.*
- *Be careful when printing a document consisting of pages facing different directions because the stapling position will be determined by the direction of the first page.*
- *You cannot set certain sizes and kinds of paper. For details, refer to the Operator's Manual of the machine.*

TIP

You can check the stapling position by using the icon in the dialog box or Page Layout.

(2) Punch <when Mailbin Finisher, Multi-staple Finisher or Folding Finisher is installed>

This function allows you to punch holes in the printed document.

- Off : The document is not punched.
- Short Edge : The document is punched along the short edge.
- Long Edge : The document is punched along the long edge
- Punch Holes <Inch area only>
  : Set the number of holes to be punched.

NOTES

- *Number of punch holes can be specified only when Multi-staple Finisher is installed.*
- *You cannot punch certain sizes of paper. Also, you may be unable to punch the paper at certain positions. For details, refer to the Operator's Manual of the machine.*
- *If you select Long Edge in the manual bypass take-up mode, the paper may sometimes fail to be punched.*
- *Punch and OHP interleaving cannot be set simultaneously.*
- *"Punch Holes"is not displayed for Metric area.*

TIP

You can check the punching positions by using the icon in the dialog box or Page Layout.

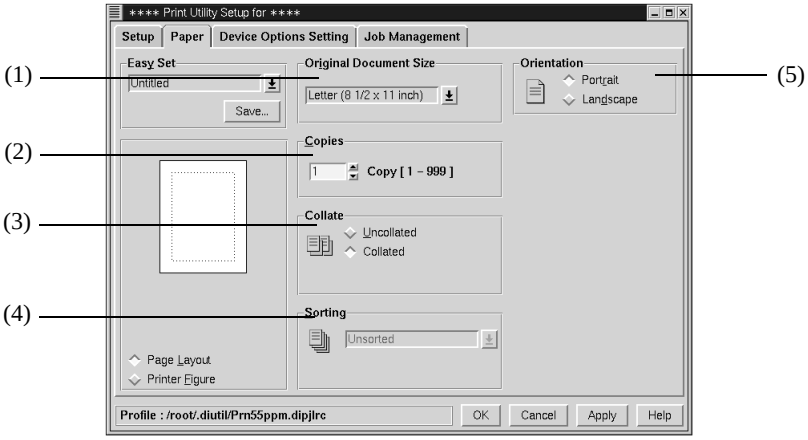
(3) Folding <when Folding Finisher is installed>
Select the desired paper folding function.
- Off : Printed pages are not folded.
- Just Output Size [Z-Fold] : Printed pages are folded into three parts.
- Half Folding : Printed pages are folded in two at their center.
- Crease : A crease is made in printed pages.

NOTE
If Folding is combined with Hole-Punch or Staple, the Hole-Punch or Staple function to be used is restricted depending on the specific type of the Folding function combined. For details, see Appendix A. ☞p.A-2

5. “Paper” Property Sheet

Functions of the “Paper” Property Sheet

The “Paper” property sheet allows you to make basic printer settings.



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(1) Original Document Size
Sets the Original Document Size.
- Paper size : Select the Original Document Size.
  Available settings : Letter, Legal, Executive, A3, A4, A5, A6, JIS B4, JIS B5, JIS B6, Invoice, Ledger, 11×14, FLS1, FLS2, FLS3, FLS4

NOTE
If you select a size of paper not loaded in the machine or Manual Feed, the machine will give a message prompting you to add paper to Tray1, Tray2, or Manual Feed and enter into a standby state.

(2) Copies
Specify the number of sets of prints to be made. Enter the value either directly or by pressing [▲] or [▼].
Setting range : 1 to 999 sets

NOTE
When using the OHP interleaving function, set the number of sets of prints to "1".

(3) Collate
Use this function when making multiple sets of prints of the same document, to specify whether or not to print one set at a time.
- Uncollated : All of the pages are simply printed one after the other. For example, if you make five sets of prints, each page is printed in sequence five copies at a time.
- Collated : Prints are output one set at a time. For example, if you make five sets of prints of a 10-page document, the prints will be output one set at a time.

NOTE
Keep Collate (Sort) on the application side set to "OFF" at all times.

(4) Sorting
Select the sorting method.
- Unsorted : Prints are not sorted.
- Sorted : Prints are sorted.

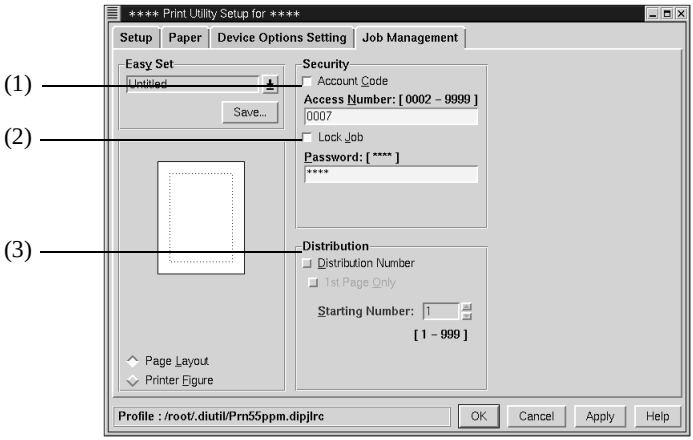
TIPS
- *If you exit prints to the Elevator Tray when the Single-staple Finisher, Multi-staple Finisher or Mailbin Finisher is installed, the prints are exited in a sawtooth manner.*
- *When the Folding Finisher is installed or if none of the finishing options is installed, the prints are exited in a criss-cross manner.*
- *The following are the minimum requirements for permitting criss-cross sorting using the Collated setting.*
  Stacks of paper of the same size are loaded in the lengthwise and crosswise directions.
  The Staple, Punch or Cover mode is not set.

(5) Orientation
Select the orientation of the image. You can check the selected direction using Page Layout.
- Portrait : Printing takes place lengthwise.
- Landscape : Printing takes place crosswise.

TIP
A Portrait or Landscape print appears on the Page Layout.

6. “Job Management” Property Sheet

Functions of the “Job Management” Property Sheet



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(1) Account Code

Check this box when using the copy track function. An account code is attached to each printing job, enabling you to carry out management at the machine. In order to use this function, copy track function must be set at the machine.

When the copy track function is set at the machine, printing may sometimes fail to take place until the access number managed at the machine is correctly set.

- Account Code : Makes the copy track function valid.
- Access Number : Enter the access number set in the machine.
  Setting range: 0002 ~ 9999 (4 digits)

(2) Lock Job
Check this box when locking a printing job.
When using Lock Job, set a password in "Password."
A locked printing job is printed when it is unlocked using the Job List display on the panel of the machine. In this case, a password is necessary.
- Lock Job : Make the lock job function valid.
- Password : Enter the password of the lock job.
  Setting range: 0000 ~ 9999 (4 digits)

(3) Distribution <when Hard Disk Drive in Copier is installed>
Specifies to add a distribution in the background during printing, and also sets the conditions for adding distribution number. A distribution number is added for each set of prints.
- Distribution Number : Select the distribution number function.
- 1st Page Only : Select whether to print the distribution number on only the first page, or on all pages.
- Starting Number : Specify the starting number of the distribution numbers to be printed.
  Setting range: 001 ~ 999

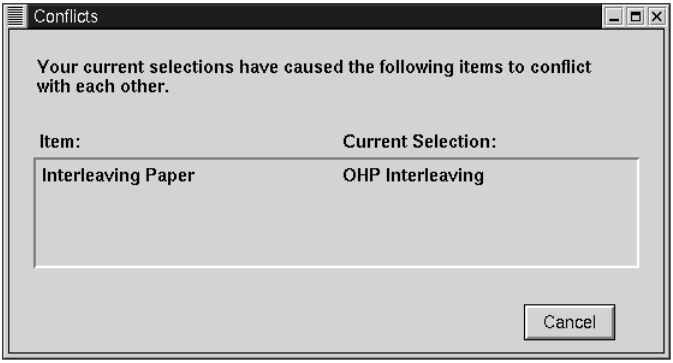
NOTES
- *When using this function in combination with the cover page function, if you set printing of the cover page to "No" using the cover page function, and set serial number printing to "Yes", a distribution number will be printed on the cover page.*
- *The orientation of the screen sometimes fails to match the orientation of the distribution number.*

TIP
When the distribution number reaches 999, the next number returns to 000.

7. “Conflicts” Dialog Box

Functions of the “Conflicts” Dialog Box

The “Conflicts” dialog box, like the one shown below, appears when a setting that conflicts with another made previously is made on a property sheet.
When the following dialog box appears, it shows that the currently selected settings conflict with each other.



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When the “Conflicts” dialog box appears, it shows the settings that could not be combined with each other. Check the details, and click the [Cancel] button to quit.

Tip
The dialog box looks slightly differently from this one when Device Options are being set or the PS driver is being used.

NOTE
Some settings, which are defied by the machine for the restricted combinations of different functions, can at times be accepted by the printer driver. If a print command is issued from the personal computer with such settings made, the machine does not produce the output correctly or abandons the job to produce nothing. Make sure that you make correct settings.

7. “Conflicts” Dialog Box

Chapter 4

Convenient Functions

1. Convenient Functions

Convenient Functions

In this chapter, you will learn how to print your document, going step by step from print instruction using dialog box to the completion of printing.
Basically, the setting procedure using only dialog box is explained for operation. When command operation is to be used, perform setting individually, referring to the setting procedure using dialog box.

NOTE
Function setting procedures are explained using dialog box only.
If printing is to be executed using "dilpr" command, be sure to convert the file to be printed to PS file before using "dilpr" command.

---

2. Printing on Both Sides of the Paper

Overview

This section explains how to print a multi-page document which has been created with an application using both sides of a sheet. It also shows the steps to be followed when stapling two-sided pages.
To use this function, a Dup + 2way Tray, Dup + LCC or Duplex Cabinet must be mounted on the machine.

Procedure

1. First, display the dialog box using “didialog” command.

NOTE
When printing is to be performed, do not execute from application.

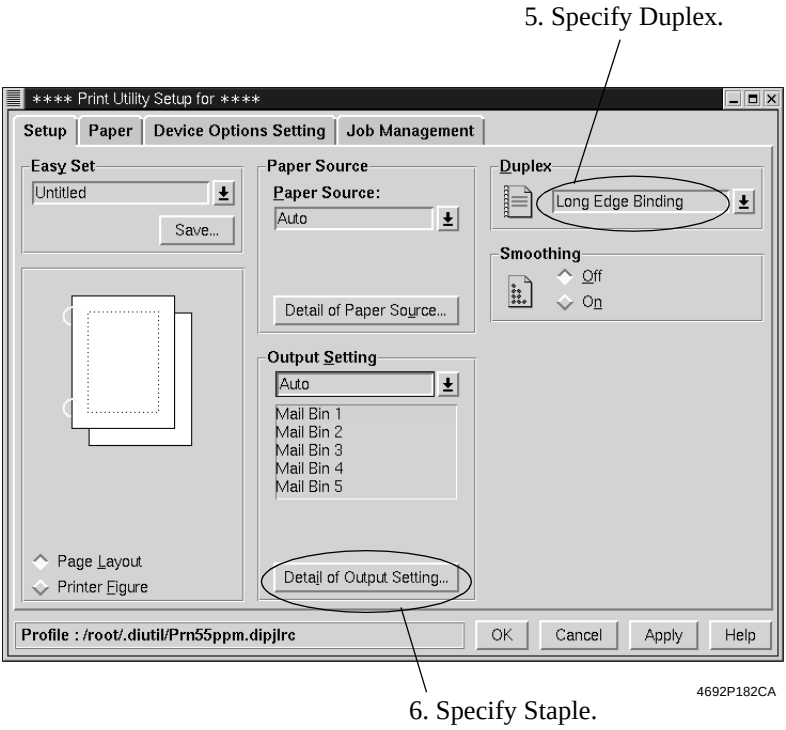
---

2. Dialog box will appear.
   If “Paper” property sheet is not displayed, click “Paper” tab.

3. Make sure that the size of the document created with the application is displayed in “Original Document Size” on the “Paper” property sheet.

4. Click the “Setup” tab.

5. Select “Long Edge Binding” or “Short Edge Binding” from “Duplex.”



If “Long Edge Binding” is selected, printing will be performed on both sides of each page so that the printed pages form a book when they are bound along the long edge. If “Short Edge Binding” is selected, printing will be performed on both sides of each page so that the printed pages form a book when they are bound along the short edge.

Long Edge Binding

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Short Edge Binding

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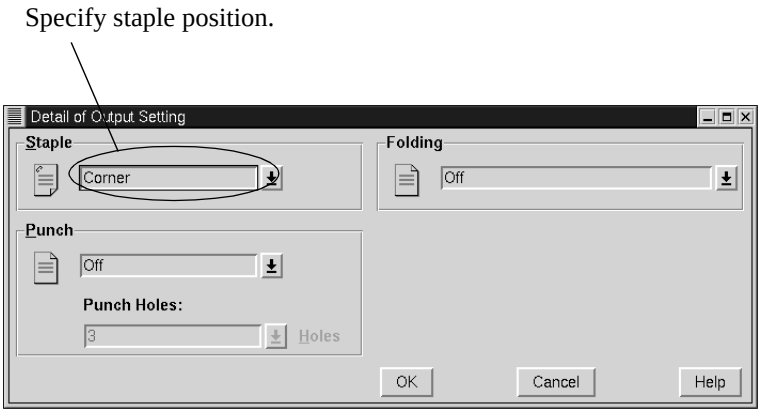
TIP

The Page Layout shows which edge is to be bound.

6. If you want to staple the printed pages, click “Detail Of Output Setting” to open the dialog box and select “Corner” in “Staple.” Then, click the [OK] button.



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NOTES

- *When “Long Edge Binding” is selected, “Short Edge” cannot be selected for punch.*
- *When “Short Edge Binding” is selected, “Long Edge” cannot be selected for punch.*

TIP

To make holes in the printed pages, select “Long Edge” or “Short Edge” in “Punch” on “Detail of Output Setting.”

7. Make other settings as necessary and click the [OK] button.

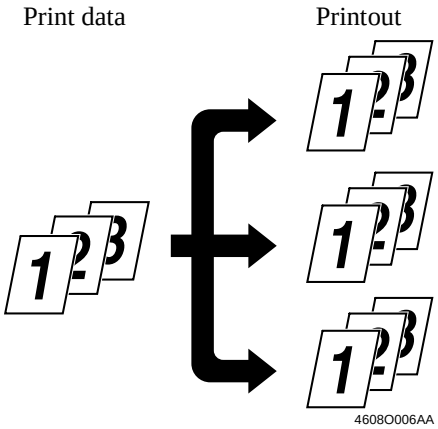
8. Execute printing using “dilpr” command.

9. The data will then be transferred to the machine and printing will soon start.

3. Printing More than One Copy at a Time

Overview

This section explains how to print two or more set copies of documents created with an application. Most applications allow this function to be executed from the Print dialog box. The steps described in the following are use to print two or more collated sets of copies by using the Collate function on the printer driver.



Procedure

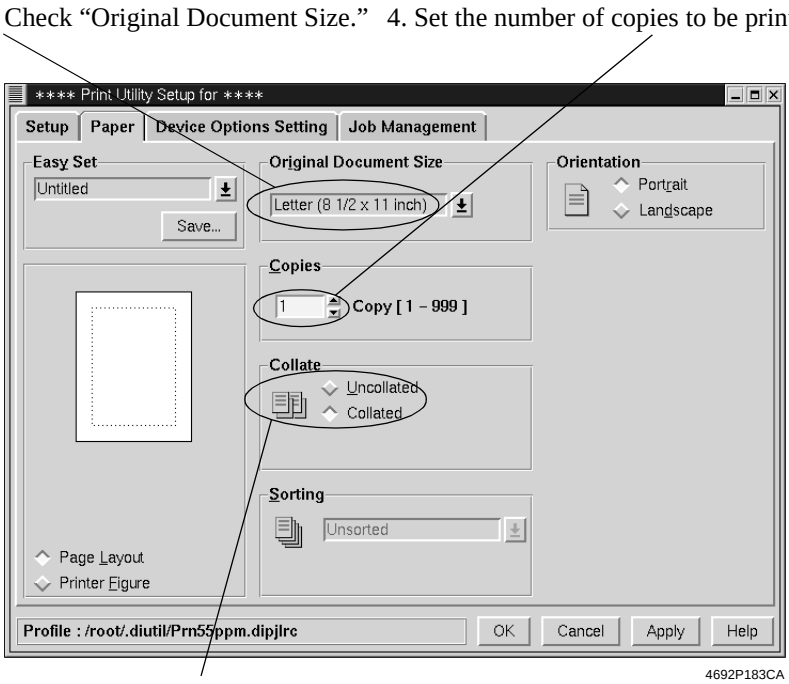
1. First, display the dialog box using “didialog” command.

NOTE
When printing is to be performed, do not execute from application.

---

2. Dialog box will appear.
   If “Paper” property sheet is not displayed, click “Paper” tab.

3. Make sure that the size of the document created with the application is displayed in “Original Document Size.”



4. In “Copies”, set the number of copies to be printed.

5. In “Collate”, select “Collated” so that the printed pages are sorted into copy sets.

TIP

When “Uncollated” is selected, printed page will be sorted into groups of identical pages.

---

6. Make other settings as necessary and click the [OK] button.

7. Execute printing using “dilpr” command.

8. The data will be transferred to the machine and printing will soon start.

4. Using the Copy Track Function

Overview

It is possible to keep track of the number of prints produced by each account. Setting of the machine specifies 100-account management or 1000-account management.

Procedure

1. First, display the dialog box using “didialog” command.

NOTE
When printing is to be performed, do not execute from application.

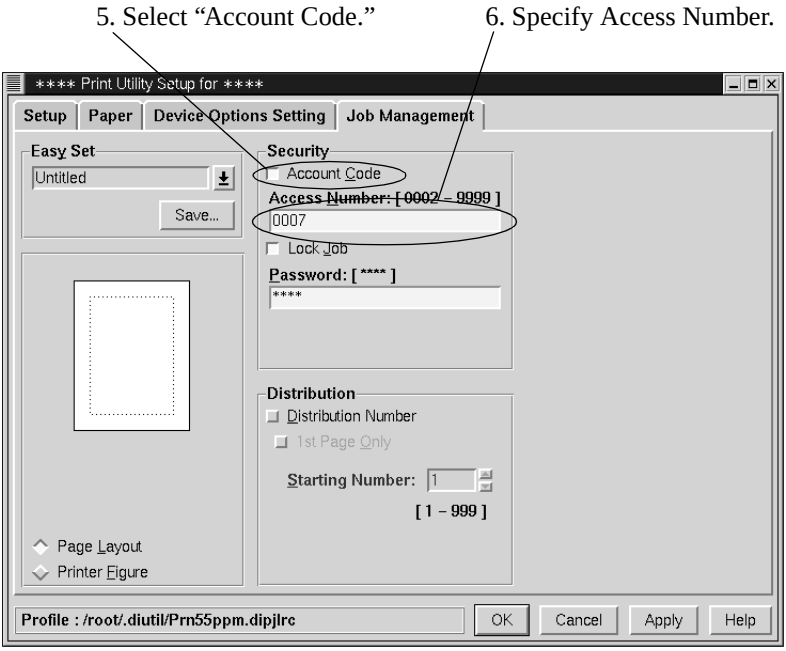
---

2. Dialog box will appear.
   If “Paper” property sheet is not displayed, click “Paper” tab.

3. Make sure that the size of the document created with the application is displayed in “Original Document Size.”

4. Click the “Job Management” tab.

5. Apply check mark to “Account Code.”



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6. Input Access Number.

7. Make other settings as necessary and click the [OK] button.

8. Execute printing using “dilpr” command.

9. The data will then be transferred to the machine and printing will soon start.

NOTE

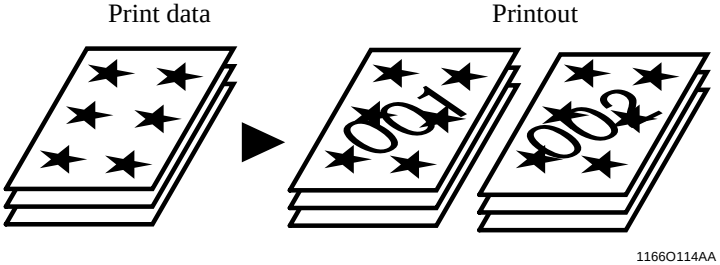
When Account Code is used, printing may not take place unless the account number has been correctly set. It is possible, by using the utility that comes with the Network (option), to confirm from the personal computer screen.

---

5. Printing Pages with a Distribution Number

Overview

This section explains how to print a distribution number in the background for each copy set.
To use this function, a Hard Disk Drive in Copier must be mounted on the machine.



NOTE
The orientation of the distribution number may not match that of the print image.

Procedure

1. First, display the dialog box using “didialog” command.

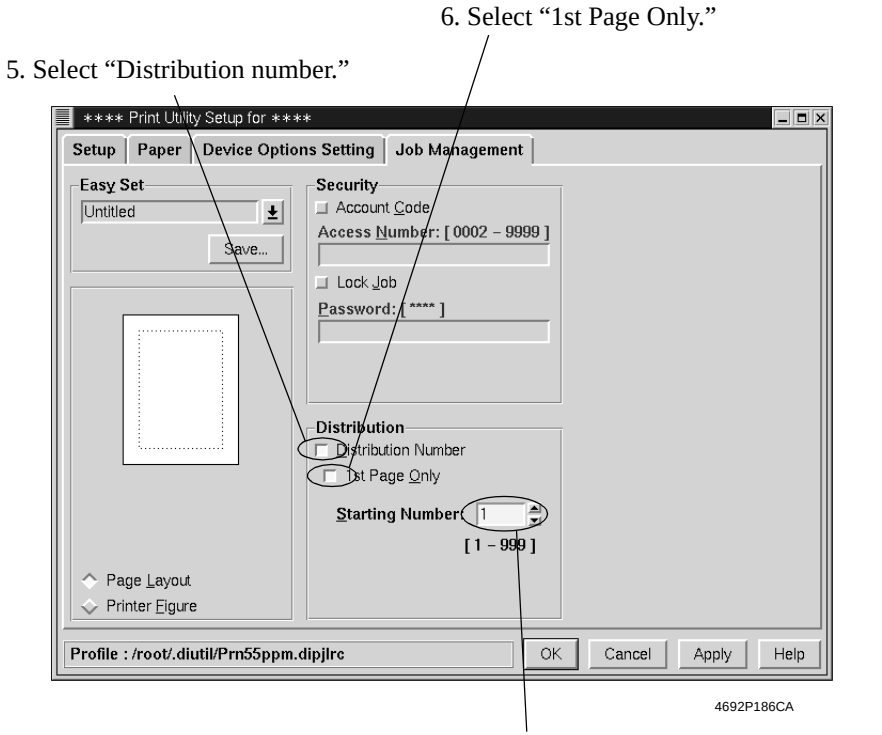
NOTE
When printing is to be performed, do not execute from application.

2. Dialog box will appear.
   If “Paper” property sheet is not displayed, click “Paper” tab.

3. Make sure that all setting items, such as “Original Document Size”, are correctly set on the “Paper” property sheet.

4. Select “Collated” for “Collate.”

5. Click the “Job Management” tab and check the “Distribution Number.”



6. Select the page on which to print the distribution number, either 1st Page only or All Pages.

7. Specify the starting distribution number for “Starting Number.”

8. Make other settings as necessary and click the [OK] button.

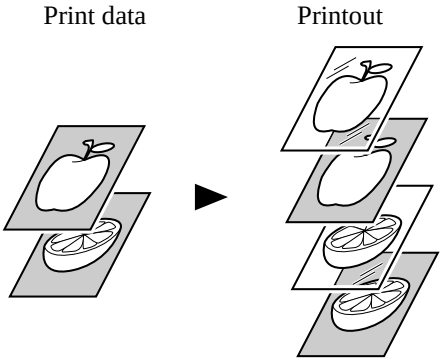
9. Execute printing using “dilpr” command.

10. The data will then be transferred to the machine and printing will soon start.

6. Printing on OHP Transparencies

Overview

This section explains how to insert a sheet of paper (interleaf) between sheets of OHP transparencies when printing on sheets of OHP transparencies. This interleaf may be left blank or have the same data printed on it as the OHP transparencies.



Procedure

1. First, display the dialog box using “didialog” command.

NOTE
When printing is to be performed, do not execute from application.

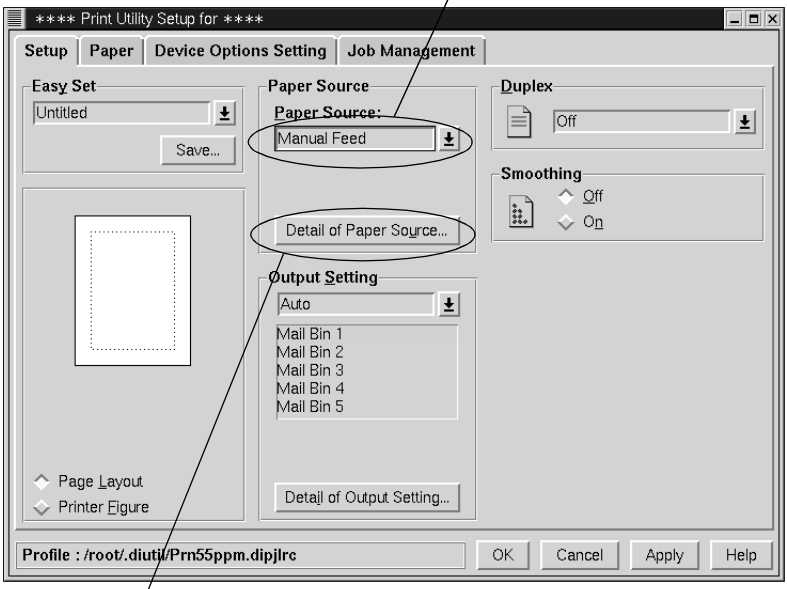
---

2. Dialog box will appear.
   If “Paper” property sheet is not displayed, click “Paper” tab.

3. Make sure that all setting items, such as “Original Document Size”, are correctly set on the “Paper” property sheet.

4. Click the “Setup” tab and select the paper source for OHP transparencies in “Paper Source.”

4. Select the paper source for OHP transparencies.



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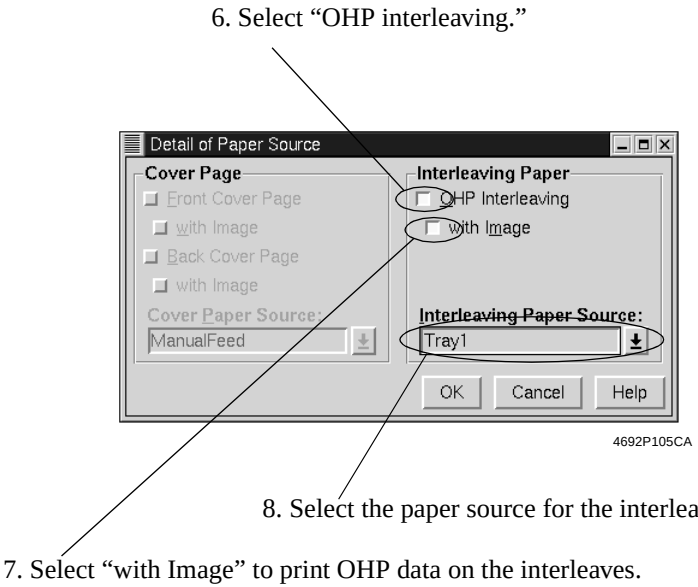
5. Select to display “Detail of Paper Source” dialog box.

NOTE
Paper source for OHP film is Manual Feed only.

5. Click the “Detail of Paper Source”: “Detail of Paper Source” dialog box will appear.



6. Apply check mark to “OHP Interleaving.”

7. Select the “with Image” box if you want the OHP data printed on the interleaves.

8. Select the paper source for interleaves in “Interleaving Paper Source.”

NOTE
The same paper source as that used for OHP transparencies cannot be specified as paper source for interleaves.

---

9. Click the [OK] button.

10. Make other settings as necessary and click the [OK] button.

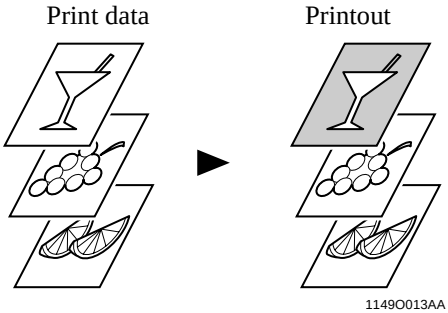
11. Execute printing using “dilpr” command.

12. The data will then be transferred to the machine and printing will soon start.

7. Adding a Cover to Each Copy Set

Overview

This section explains how to add a front cover and/or a back cover to each of your copy sets. Four different modes are available to choose from. Select the appropriate one according to your needs.



Procedure

1. First, display the dialog box using “didialog” command.

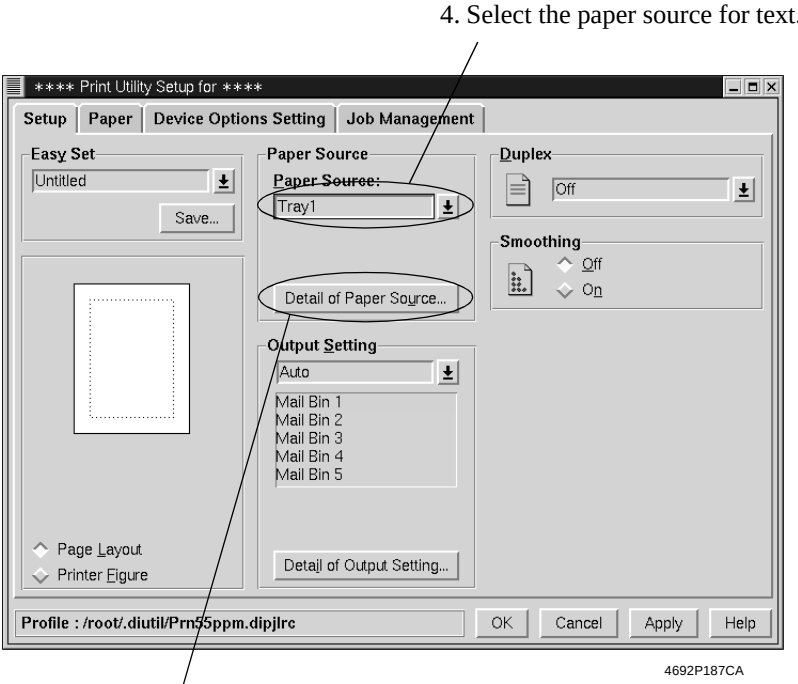
NOTE
When printing is to be performed, do not execute from application.

---

2. Dialog box will appear.
   If “Paper” property sheet is not displayed, click “Paper” tab.

3. Make sure that all setting items, such as “Original Document Size”, are correctly set on the “Paper” property sheet.

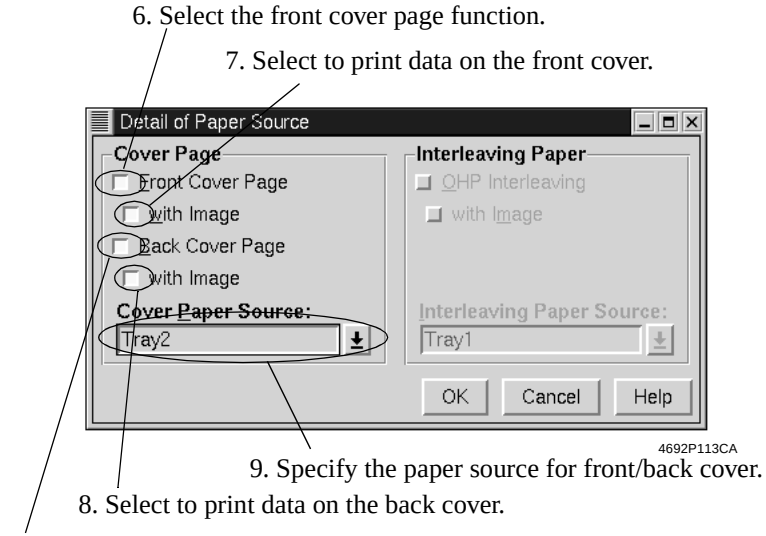
4. Click the “Setup” tab and select the paper source for text in “Paper Source”.



NOTE

Paper sources for text are Tray 1, 2, 3, 4, Manual Feed, LCC and LCT.

5. Click the “Detail of Paper Source”: “Detail of Paper Source” dialog box will appear.



6. Apply check mark to “Front Cover Page.”

7. Select the “with Image” box if you want data printed on the front cover.

8. Select whether to add a back cover and, if the back cover is to be added, select whether to print data on the back cover using “Back Cover Page” and “with Image.”

9. Select the paper source for the front/back cover under “ Cover Paper Source.”

NOTE
Paper sources for cover page are Manual Feed, Tray 1, 2, 3, 4, LCC and LCT.

---

10. Click the [OK] button.

11. Make other settings as necessary and click the [OK] button.

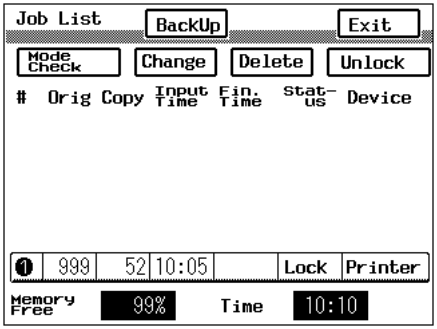
12. Execute printing using “dilpr” command.

13. The data will then be transferred to the machine and printing will soon start.

8. Using the Lock Job (Print PC Confidential) Function

Overview

Lock job allows you to keep a particular document confidential so that document can be printed only after a password is entered on the machine.



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Procedure on the Printer Driver Side

1. First, display the dialog box using “didialog” command.

NOTE
When printing is to be performed, do not execute from application.

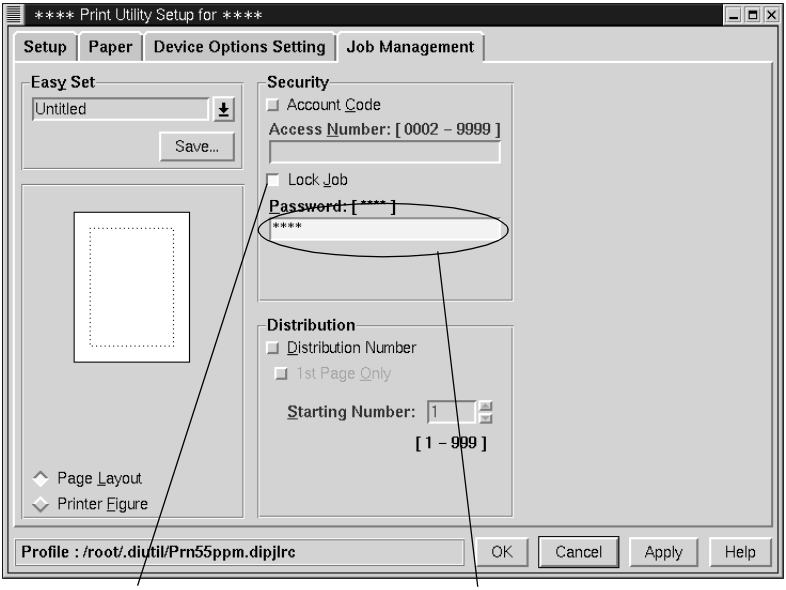
---

2. Dialog box will appear.
   If “Paper” property sheet is not displayed, click “Paper” tab.

3. Make sure that all setting items, such as “Original Document Size”, are correctly set on the “Paper” property sheet.

4. Click the “Job Management” tab.

5. Apply check mark to “Lock Job.”



6. Input password.

TIP

Password is 4-digit number, from 0000 to 9999. If you enter a 3-digit number for password, it will be regarded as 4-digit number, automatically adding “0” to the head.

7. Make other settings as necessary and click the [OK] button.

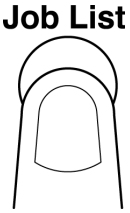
8. Execute printing using “dilpr” command.

9. The data will be transferred to the machine, but printing will not yet start.

Procedure on the Machine Side (Unlocking a Job)

After the data has been transferred to the machine, operate the machine to start printing.

1. Press the [Job List] key on the control panel.



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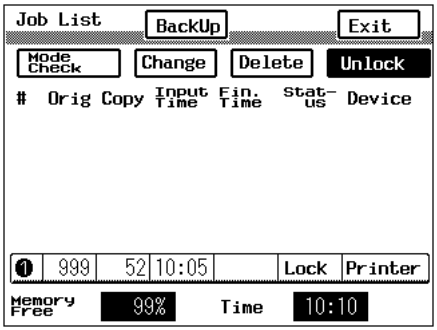
2. Touch the [Unlock] key.



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3. Input password.

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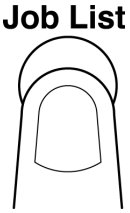
NOTE
All jobs, whose preprogrammed passwords match the password entered, are "unlocked."

4. The job is "unlocked" and printing will start.

Procedure on the Machine Side (Deleting a Job)

After the data has been transferred to the machine, it can be deleted without being printed.

1. Press the [Job List] key on the control panel.



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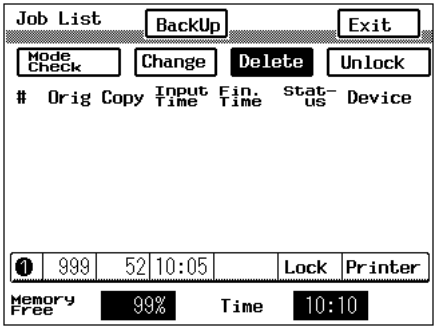
2. Touch the [Delete] key.



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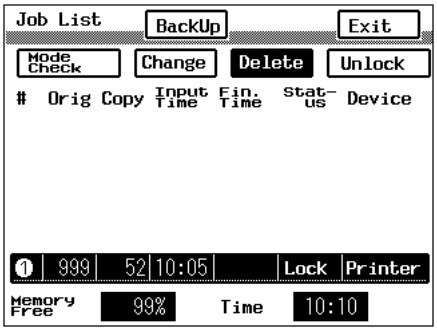
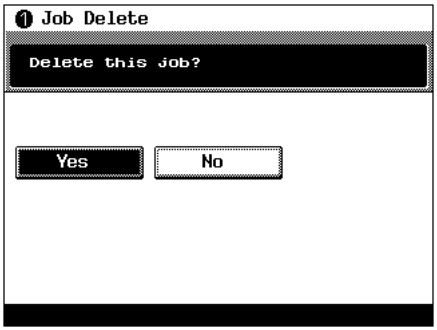
3. Select job to be deleted.



4692P120CA

4. Touch the [Yes] key.



4692P121CA

5. This deletes the job from the job list.

TIP
No password is necessary to delete a job.

9. Using the Settings Function

Overview

Frequently used groupings of print settings can be stored and called up as necessary for application in actual print jobs.

Procedure

Operations with “Easy Set” are storing, calling up and deleting.
The number of Easy Set Names that can be stored is up to 32.

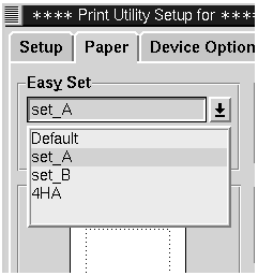
Using the Settings Stored for a Current Print Job

1. First, display the dialog box using “didialog” command.

NOTE
When printing is to be performed, do not execute from application.

2. Dialog box will appear.

3. Click the down-arrow “⇩” of “Easy Set Name” and from subsequent menu, select the title name to be used. The setting data will then be read to the driver software.



4692P185CA

NOTE
Easy Set with status different from status of Device Options currently being used cannot be restored: Error message will be output.

4. Click the [OK] button.

5. Execute printing using “dilpr” command.

6. The data will then be transferred to the machine and printing will soon start.

Storing settings

1. First, display the dialog box using “didialog” command.

NOTE
When printing is to be performed, do not execute from application.

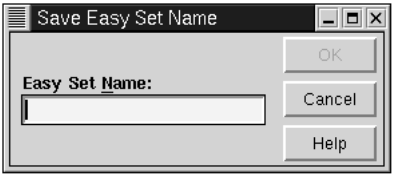
2. Dialog box will appear.

3. Make settings in “Setup”, “Paper” and “Job Management” properties as necessary.

4. Click the [Save] button.

TIP
If setting is changed in step 3, the Easy Set Name becomes “Untitled” and [Save] button will appear.

5. The “Save Easy Set Name” dialog box will appear. Input the Easy Set Name to be registered and click the [OK] button.



4668P166CA

TIP
If the same Easy Set Name already exists, a dialog box asking whether it should be over-written or not will appear.

6. Click the [OK] button.

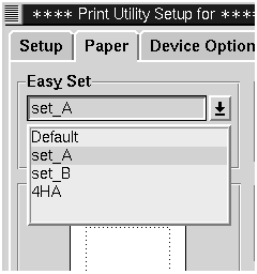
Deleting Settings Which Have Been Stored

1. First, display the dialog box using “didialog” command.

NOTE
When printing is to be performed, do not execute from application.

2. Dialog box will appear.

3. Click the down arrow “↓” of “Easy Set Name” and, from subsequent menu, select the name to be used. The setting data will then be read to the driver software.



4692P185CA

4. Click the [Delete] button.

5. Dialog box for confirmation will appear. Click the [OK] button: The title name will disappear and the setting data will be deleted.

NOTES
- *If the setting contents are changed before deleting, the Easy Set Name will change to “Untitled” and the [Delete] button will change to the [Save] button. Deleting cannot be performed in this status.*
- *Easy Set with status different from status of Device Options currently being used cannot be restored: Error message will be output.*

6. Click the [OK] button.

NOTE
The detailed print settings remain valid even after the Easy Set Name has been cleared from the options list.

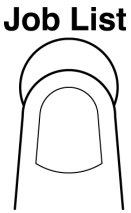
10. Confirming that the data has been transferred to the machine

Overview

Status of data transferred from the personal computer will be displayed in Job List.

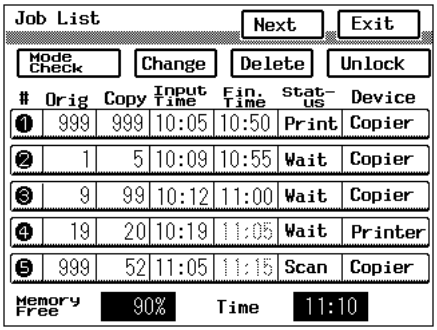
Procedure

1. Press the [Job List] key on the control panel.



4692O008CA

2. Job list will be displayed.



4692P122CA

TIP

- *For printing a lock job, refer to "Procedure on the machine Side (unlocking a Job)" in "8. Using the Lock Job (Print PC Confidential) Function." ☞p.4-20*
- *For unlocking the job, refer to "Procedure on the Machine Side (Deleting a Job)" in "8. Using the Lock Job (Print PC Confidential) Function." ☞p.4-22*

Chapter 5

Troubleshooting

1. Troubleshooting

Unable to Print

This chapter explains about the troubleshooting procedures for possible malfunctions. Perform the troubleshooting procedures given below in that order when the machine is unable to print even if you execute a print command from your computer.

Symptom	Possible Cause	Action
A message appears on the computer screen, saying something to the effect that “no printer is connected” or “no paper is loaded.”	An error is present in the machine.	Check the control panel of the machine: If an error is displayed, identify the error and take the necessary action by referring to the “Error List” on page p.5-8.
Printing does not start despite the completion of printing setup on the computer.	An error is present in the machine.	Check the control panel of the machine. If an error is displayed, identify the error and take the necessary action by referring to “Error List” on p.5-8.
	The printer cable or network cable is disconnected.	Check that the printer cable or network cable is connected properly to the computer and controller.
	The printer driver selected for printing is not for the controller.	Check the printer name selected in the OS-attached printer setting.
	A print job yet to be processed is loaded in the machine, causing the printer to wait.	Refer to the Job List on the machine control panel to check for print order.
	File to be printed is not a PS file.	Delete job and check to see if it is PS file.

Symptom	Possible Cause	Action
Continued from the previous page (Printing does not start despite the completion of printing setup on the computer.)	The print job is locked.	Refer to the Job List on the machine control panel to see if the print job in question is locked. If so, unlock it.
	The connection of the controller to the network has not been established.	Consult the network administrator.
	The print job was canceled.	Check the status on the "Incompleted Job Queue" of "Printer Management Utility".
	Machine Memory space available is not sufficient.	Add the machine memory to expand its space.
	If the copy track function is enabled, an illegal access number might have been entered.	Enter the correct access number.
Multiple copy sets are mistakenly sorted and stapled together as a single large set.	Print setting stored with application affects.	Check print setting of application. Set to OFF the settings such as "Collate". Do not execute printing from application.
A large number of copies are mistakenly printed.	Print setting stored with application affects.	Check print setting of application. Set to OFF the settings such as "Collate". Do not execute printing from application.
A document containing more than 40 pages cannot be printed.	The maximum number of document pages that can be stored in the standard memory is 40.	• Decrease the number of document pages or add memory to expand its capacity. • Select "Printer" for "Priority Device" available in 6/6 of User's Choice on the machine.

If the problem persists even after these checks have been made, refer to the Operator's Manual provided for the machine.

Unable to Make Correct Settings / Unable to Print Exactly as Set

Perform the troubleshooting procedures given below in that order when you cannot make proper settings in the printer driver or when the print results do not represent what has been set.

Symptom	Possible Cause	Action
Unable to select an item in the printer driver.	Some functions cannot be combined.	Do not select items which are dimmed. Certain items can be set only by root user in Device Options Setting.
The “Conflicts” dialog box is displayed on the computer screen.	An illegal combination of functions has been made.	Check for combination and make a correct combination of functions.
Unable to print exactly as set.	Incorrect settings are made.	Check the setting for each item of the printer driver.
Unable to specify Staple.	Staple can be specified only when the type of Finisher you are using is selected on the “Device Options Setting” property sheet and “Auto” is selected for “Output Setting” on the “Setup” property sheet.	Select the type of Finisher you are using on the “Device Options Setting” property sheet, and select “Auto” for “Output Setting” on the “Setup” property sheet.
	No stapling can be effected in the following case: Paper size other than 182 × 182 mm to 297 × 432 mm is specified, paper source is manual feed port, exit port other than Auto is selected, OHP Interleaving is specified, Uncollated is specified.	Check the setting of the paper size, paper source, exit port, OHP Interleaving, and Collated.

Symptom	Possible Cause	Action
Unable to staple properly.	No stapling can be effected if the type of paper is thick paper or OHP transparencies.	Check the type of paper.
	When Mailbin Finisher or Multi-staple Finisher is installed, no stapling can be effected if number of prints to be made exceeds 50.	Check the number of prints to be made.
	When Single-staple Finisher is installed, no stapling can be effected if number of prints to be made exceeds 30.	
	No stapling can be effected if the number of pages to be printed is 50 or more when a Folding Finisher is mounted. Center Staple is also disabled if the number of pages to be printed is 15 or more.	
	No stapling can be effected if original document contains pages of different sizes.	

Symptom	Possible Cause	Action
Unable to specify Punch.	Multi-staple Finisher, Mailbin Finisher or Folding Finisher must be mounted to enable setting Punch. Punch can be specified only when Multi-staple Finisher, Mailbin Finisher or Folding Finisher is selected in Device Options Setting.	Select Multi-staple Finisher, Mainbin Finisher or Folding Finisher in Device Options Setting.
	Punch cannot be specified if OHP Interleaving is specified.	Check the setting of OHP interleaving.
Unable to effect Punch.	No holes can be made if the type of paper is thick paper or OHP transparencies.	Check the type of paper.
	Prints can at times be fed out without being punched if the direction of the paper loaded in the paper source is not appropriate.	Check the direction of the paper.
Folding cannot be specified.	The optional Folding Finisher is necessary for you to specify Folding. “Folding Finisher” must be selected on “Device Options Setting.”	Select “Folding Finisher” on “Device Options Setting.”
	Folding may be disabled when Staple or Punch is specified.	Check the settings made. (See “Function Combination Matrix” on p. A-2.)
Folding is not effected.	Folding cannot be effected if the type of paper is Thick Paper or OHP.	Check the type of paper.
Unable to print image properly.	Machine memory space available is not sufficient.	Add the machine memory to expand its space or simplify the image to reduce the amount of data handled.

Symptom	Possible Cause	Action
Unable to specify the exit port	Prints with paper size of A6 or smaller cannot be specified if paper exit port is Mailbin.	Check the setting of the paper size.
Unable to properly feed prints out to the specified port.	Prints with paper size of B6 or smaller cannot be fed out if paper exit port is Mailbin.	Check the paper type and paper size.
	Printed pages are not fed into the Mailbin if OHP Interleaving has been set. They are to be fed into the Top Offset Tray.	Check to see if OHP Interleaving has been specified.
Paper is not fed from the specified paper source.	Paper is not be fed from the specified paper source if that paper source is loaded with paper of a different size and direction.	Load the paper source with paper of the appropriate size and in the appropriate direction.
Unable to print exactly as set.	The paper size, paper direction, and other settings made on the application takes precedence over those made in the driver.	Make sure the settings of printer setting are the same settings as those set in the driver. Do not use the settings on application side.
Error dialog box is output instead of Setting dialog box.	Unusable combination of device and settings with Easy Set being stored could have been achieved by changing of device installed.	Open file specified in the error dialog box, delete applicable settings.
Distribution cannot be specified.	To specify Distribution, a “Hard Disk Drive in Copier” that is optional on the machine is necessary. “Hard Disk Drive in Copier” must be specified in “Device Options Setting.”	Select “Hard Disk Drive in Copier” on “Device Options Setting.”

Error List

When an error occurs, the machine control panel gives the message of “Controller failure -> 18xx.”
The table below lists the meanings of different error codes, together with the appropriate remedial procedures. Should an error occur, identify the detail of the error and take the necessary action.

Code	Description	Action
18A0	NVRAM error Issued when a fault is found in the condition of the setting values saved in the NVRAM of the controller.	Turn OFF the power, then turn it ON. If error persists, consult your Tech. Rep.
18A1	NIC initialization error	
18A3	Version error	
18A7	ROM update data load failure	
18A8	ROM update data write failure	
18F1	Machine communications error	
18F2	Controller fatal error	
18D0	Hard disk being formatted	This error is eliminated as soon as formatting is completed.
18D1	Hard disk format error	Execute formatting from Printer Management Utility again. If error persists, consult your Tech. Rep.
18B8	Scan job canceled for short of machine memory space	Recovers 10 minutes later, or when next scan job starts. If error persists, consult your Tech. Rep.
18C0	Memory short during image conversion	
18C1	Scan job NIC processing error	

Code	Description	Action
18C2	Scan job controller processing error	Recovers 10 minutes later, or when next scan job starts. If error persists, consult your Tech. Rep.
18A4	ROM update data loading	Recovers as time passes, or by conducting job.
18A5	ROM update data writing	
18A6	ROM update data completed	

This manual contains the specifications for the controller. Refer to the documentation provided for the machine for the machine specifications.

Appendix A

1. Function Combination Matrix

Function Combination Matrix

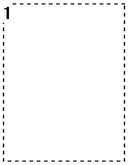
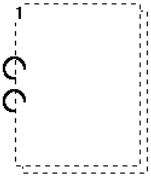
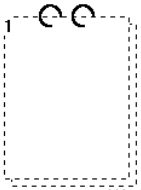
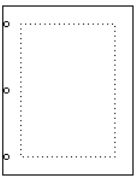
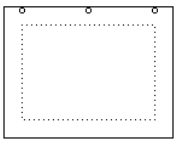
			Paper Source					Finishing																
											Staple					Punch			Folding			
			Auto	Tray1, 2, 3, 4	LCC	LCT	Manual Feed	Uncollated	Collated	Sorted	Off	Corner	Long Edge	Short Edge	Center	Off	Long Edge	Short Edge	Off	Z-Fold	Half Folding	Crease
Paper Source	Auto			×	×	×	×	❍	❍	❍	❍	❍	❍	❍	❍	❍	❍	❍	❍	❍	❍	❍	❍
	Tray1, 2, 3, 4		×		×	×	×	❍	❍	❍	❍	❍	❍	❍	❍	❍	❍	❍	❍	×	❍	❍
	LCC		×	×		×	×	❍	❍	❍	❍	❍	❍	×	×	❍	❍	×	❍	×	❍	×
	LCT		×	×	×		×	❍	❍	❍	❍	❍	❍	●	●	❍	❍	●	❍	×	×	●
	Manual Feed		×	×	×	×		❍	❍	❍	❍	△	△	△	△	❍	△	△	❍	×	△	△
Finishing	Uncollated		❍	❍	❍	❍	❍		×	❍	❍	×	×	×	×	❍	❍	❍	❍	❍	❍	❍
	Collated		❍	❍	❍	❍	❍	×		×	❍	❍	❍	❍	❍	❍	❍	❍	❍	❍	❍	❍
	Sorted		❍	❍	❍	❍	❍	❍	×		❍	×	×	×	×	❍	❍	❍	❍	❍	❍	❍
	Staple	Off	❍	❍	❍	❍	❍	❍	❍	❍		×	×	×	×	❍	❍	❍	❍	❍	❍	❍
		Corner	❍	❍	❍	❍	△	×	❍	×	×		×	×	×	❍	❍	❍	❍	❍	×	×
		Long Edge	❍	❍	❍	❍	△	×	❍	×	×	×		×	×	❍	❍	×	❍	❍	×	×
		Short Edge	❍	❍	×	●	△	×	❍	×	×	×	×		×	❍	×	❍	❍	×	×	×
		Center	❍	❍	×	●	△	×	❍	×	×	×	×	×		❍	×	×	❍	×	×	❍
	Punch	Off	❍	❍	❍	❍	❍	❍	❍	❍	❍	❍	❍	❍	❍		×	×	❍	❍	❍	❍
		Long Edge	❍	❍	❍	❍	△	❍	❍	❍	❍	❍	❍	×	×	×		×	❍	❍	×	×
		Short Edge	❍	❍	×	●	△	❍	❍	❍	❍	❍	×	❍	×	×	×		❍	×	×	×
	Folding	Off	❍	❍	❍	❍	❍	❍	❍	❍	❍	❍	❍	❍	❍	❍	❍	❍		×	×	×
		Z-Fold	❍	×	×	×	×	❍	❍	❍	❍	❍	❍	×	×	❍	❍	×	×		×	×
		Half Folding	❍	❍	❍	×	△	❍	❍	❍	❍	×	×	×	×	❍	×	×	×	×		×
		Crease	❍	❍	×	●	△	❍	❍	❍	❍	×	×	×	❍	❍	×	×	×	×	×	
Duplex	Long Edge Binding		❍	❍	❍	❍	△	❍	❍	❍	❍	❍	❍	×	❍	❍	❍	×	❍	❍	×	❍
	Short Edge Binding		❍	❍	❍	❍	△	❍	❍	❍	❍	❍	×	❍	❍	❍	×	❍	❍	×	×	❍
Distribution Number			❍	❍	❍	❍	❍	×	❍	×	❍	❍	❍	❍	❍	❍	❍	❍	❍	❍	❍	❍
OHP Interleaving			×	×	×	×	❍	❍	×	❍	❍	×	×	×	×	❍	×	×	❍	×	×	×
Cover mode			×	❍	❍	❍	❍	❍	❍	❍	❍	❍	❍	❍	❍	❍	❍	❍	❍	×	×	❍

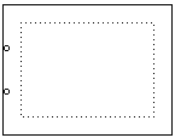
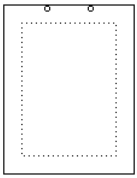
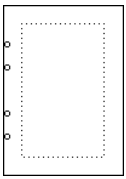
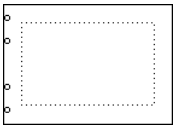
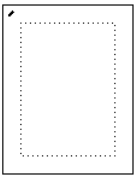
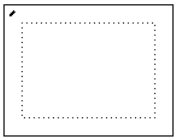
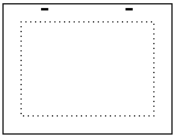
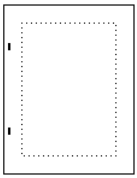
❍ : The combination is possible.
× : The combination is impossible.
(The settings made are rejected.)
● : Cannot be used if the LCT rejects loading of paper in the lengthwise direction.
△ : Does not function if special paper setting has been made.

			Duplex				
			Long Edge Binding	Short Edge Binding	Distribution Number	OHP Interleaving	Cover mode
Paper Source	Auto		❍	❍	❍	×	×
	Tray1, 2, 3, 4		❍	❍	❍	×	❍
	LCC		❍	❍	❍	×	❍
	LCT		❍	❍	❍	×	❍
	Manual Feed		△	△	❍	❍	❍
Finishing	Uncollated		❍	❍	×	❍	❍
	Collated		❍	❍	❍	×	❍
	Sorted		❍	❍	×	❍	❍
	Staple	Off	❍	❍	❍	❍	❍
		Corner	❍	❍	❍	×	❍
		Long Edge	❍	×	❍	×	❍
		Short Edge	×	❍	❍	×	❍
		Center	❍	❍	❍	×	❍
	Punch	Off	❍	❍	❍	❍	❍
		Long Edge	❍	×	❍	×	❍
		Short Edge	×	❍	❍	×	❍
	Folding	Off	❍	❍	❍	❍	❍
		Z-Fold	❍	×	❍	×	×
		Half Folding	×	×	❍	×	×
		Crease	❍	❍	❍	×	❍
Duplex	Long Edge Binding			×	❍	×	❍
	Short Edge Binding		×		❍	×	❍
Distribution Number			❍	❍		×	❍
OHP Interleaving			×	×	×		×
Cover mode			❍	❍	❍	×	

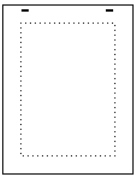
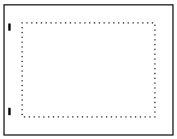
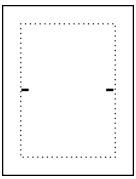
2. Preview Listing

[Page Layout]

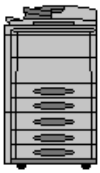
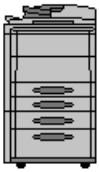
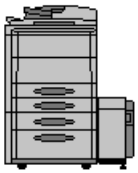
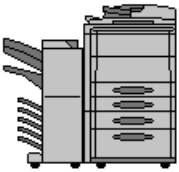
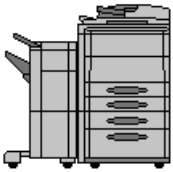
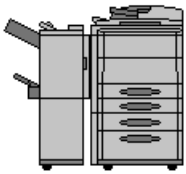
Value Defined for Print Setting Item	Screen Specifications	Value Defined for Print Setting Item	Screen Specifications
Orientation= Portrait	 4668P115CA	Orientation= Landscape	4668P116CA
Duplex= Long Edge Binding, Orientation= Portrait	 4668P117CA	Duplex= Short Edge Binding, Orientation= Portrait	 4668P118CA
Duplex= Short Edge Binding, Orientation= Landscape	4668P119CA	Duplex= Long Edge Binding, Orientation= Landscape	4668P120CA
Punch=Long Edge, Punch Holes = 3, Orientation= Portrait <Inch area only>	 4668P184CA	Punch=Long Edge, Punch Holes = 3, Orientation= Landscape <Inch area only>	 4668P185CA

Value Defined for Print Setting Item	Screen Specifications	Value Defined for Print Setting Item	Screen Specifications
Punch=Short Edge, Punch Holes = 2, Orientation= Landscape <Inch area only>	 4668P186CA	Punch=Short Edge, Punch Holes = 2, Orientation= Portrait <Inch area only>	 4668P187CA
Punch=Long Edge, Orientation= Portrait <Metric area only>	 4692P124CA	Punch=Short Edge, Orientation= Landscape <Metric area only>	 4692P125CA
Staple=Corner, Orientation= Portrait	 4668P188CA	Staple=Corner, Orientation= Landscape	 4668P189CA
Staple=Long Edge, Orientation= Landscape	 4668P190CA	Staple=Long Edge, Orientation= Portrait	 4668P191CA

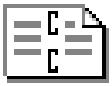
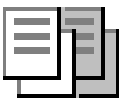
2. Preview Listing

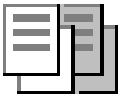
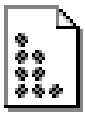
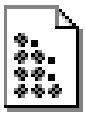
Value Defined for Print Setting Item	Screen Specifications	Value Defined for Print Setting Item	Screen Specifications
Staple=Short Edge, Orientation= Portrait	 4668P192CA	Staple=Short Edge, Orientation= Landscape	 4668P193CA
Staple=Center, Orientation= Portrait	 4692P123CA		

[Printer Figure]

Value Defined for Print Setting Item	Screen Specifications	Value Defined for Print Setting Item	Screen Specifications
No Installed Options	4692P078AA	Dup + 2way Tray	 4692P079AA
Dup + LCC or Duplex Cabinet	 4692P080AA	LCT (Dup + LCC)	 4692P081AA
Mailbin Finisher (Dup + LCC)	 4692P082AA	Single-Staple Finisher or Multi-Staple Finisher (Dup + LCC)	 4692P083AA
Folding Finisher (Dup + LCC)	 4692P084AA		

[Setting Preview]

	Value Defined for Print Setting Item	Screen Specifications	Value Defined for Print Setting Item	Screen Specifications
Duplex/ Booklet	Short Edge Binding	4668P140CA	Long Edge Binding	4668P141CA
Detail of Output Setting (Staple)	Corner	4668P144CA	Center	 4692P089AA
	Long Edge	4668P145CA	Short Edge	4668P146CA
Detail of Output Setting (Punch)	Long Edge	4668P147CA	Short Edge	4668P148CA
Collate	Uncollated	 4668P149CA	Collated	4668P150CA

	Value Defined for Print Setting Item	Screen Specifications	Value Defined for Print Setting Item	Screen Specifications
Sorting	Unsorted	4668P151CA	Sorted	 4668P152CA
Orientation	Portrait	4668P155CA	Landscape	4668P156CA
Smoothing	Off	 4692P093AA	On	 4692P094AA
Detail of Output Setting (Folding)	Justify Output Size [Z-fold]	4692P090AA	Half Folding	4692P091AA
	Crease	4692P092AA		

3. Specifications

Specifications for machine body

Specification for machine body: Refer to the Operator's Manual for Windows.

Accessories

Accessories : Refer to the Operator's Manual for Windows.

Appendix B

1. Glossary

Glossary

10BASE-T
A network data transfer standard established by the IEEE. The network uses a twisted-pair cable carrying 10 megabits per second (10Mbps).

100BASE-T
A network data transfer standard established by the IEEE. The network uses a twisted-pair cable carrying 100 megabits per second (Mbps).

application
A software program that performs a particular function, such as generating graphics or spreadsheets.

click
To press and release a mouse button quickly. Often used to select an object. SEE double-click.

control panel
A bank of indicators that show the current status of the printer.
Panel buttons that are located on the control panel make it possible to perform a variety of different operations.

dialog box
A box that appears in order for the user to input information or settings required for the printer to operate.

double-click
Pressing a mouse button twice in quick succession while keeping the mouse in place. Often used to open a dialog or enable a function. SEE click.

display
A visual output device of a computer.

dpi
The fineness of detail of the output print, expressed in the number of dots per inch (dpi, or dots per inch). Higher resolution produces text and graphics with greater sharpness and fineness of detail, but results in a greater amount of data involved.

font
A complete set of characters in a given typeface and style. The size of characters is specified in points (1/72 inches).
Typeface is the distinctive design of types, such as gothic, while style is an ornament, such as italic.

hard disk drive
A device that is contained in a computer and peripheral equipment and used to save data and files.
In the printer controller, it is used to save fonts downloaded from the computer. Its data is retained even when the main power is turned OFF.

icon
A graphic image on the screen that represents an element.

interface
A standard that governs the ways for two different systems to exchange information. It specifies the format of data to be transmitted, communications protocols, and physical configurations for connection.

IPX/SPX
The communications protocols used by NetWare.

landscape (paper orientation)
A horizontal print orientation, in which printing is oriented so that the long edges of a sheet of paper are on top and bottom.

local printer
The printer that is directly connected to the computer being used. A printer connected to a network is called the remote printer.

memory
The place in a computer where data can be stored and retrieved. The amount of data stored is expressed in bytes. Memory can either be RAM or ROM.
Generally, the data stored in RAM is lost when power is turned OFF, while that in ROM is retained even when power is turned OFF, but cannot be rewritten.

Network Interface Card (NIC)
An optional card to which network interface can be added, used for connecting a printer to network environment.

offline
The state of the printer controller, in which it does not receive data or execute any processing.

online
The state of the printer controller, in which it is capable of receiving data and processing jobs.

operation system
A program or group of programs that control the functions of the computer and its peripheral devices such as the printer.

parallel interface
A type of standards that govern the ways for two different systems to exchange information, in which multiple bits are transmitted at one time. Because of that, synchronization is necessary, which makes the scheme not right for data transmission over a long distance. The most common parallel interface is Centronics.

port
A connector through which data is exchanged between a computer and peripheral equipment.
The parallel port permits multiple-bit data to be transmitted at one time, commonly used in printers. The serial port is generally used to connect a modem or other device.

portrait (paper orientation)
A vertical print orientation, in which printing is oriented so that the short edges of a sheet of paper are on top and bottom.

PostScript font
A scalable outline font standard, widely adopted in the printing industry. By downloading PostScript fonts in a PostScript-compatible printer, it is possible to produce smoother letters than bit-mapped fonts can.

PostScript printer software
The program that is used on the computer to enable printing on PostScript printers.

printer driver
Software that enables controlling printer operations.

print job
A single batch of job for printing specified at one time from an application. It may be directly transmitted to the printer, or temporarily stored in a print queue.

resolution
See dpi.

SIMM
An acronym for Single In-line Memory Module.

TCP/IP
The standard data transfer protocol over the Internet. Data is transferred by breaking up data messages into packets, to which IP addresses are attached.

TrueType font
A soft font standard the system has. TrueType is a font technology that ensures that the printed output is identical to what you see on-screen. It is also scalable, capable of producing characters in varying sizes.

paper
The medium on which the printer can print data. Varieties include OHP transparencies, labels, letterhead, and postcards, in addition to plain paper and recycled paper.

Terminal Window
Screen used for command operation.

RPM (Redhat Program Manager)
Most common format to manage installation of application.

man File
Manual file attached to application ,etc.

1. Glossary

Appendix C

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